GE Medical Systems

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Technical Publications

Direction 2173228–100

Revision 12

AMX–4+ Renewal Parts (Model 2169360 Series)

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WARNING

- **THIS SERVICE MANUAL IS AVAILABLE IN ENGLISH ONLY.**
- **IF A CUSTOMER'S SERVICE PROVIDER REQUIRES A LANGUAGE OTHER THAN ENGLISH, IT IS THE CUSTOMER'S RESPONSIBILITY TO PROVIDE TRANSLATION SERVICES.**
- **DO NOT ATTEMPT TO SERVICE THE EQUIPMENT UNLESS THIS SERVICE MANUAL HAS BEEN CONSULTED AND IS UNDERSTOOD.**
- **FAILURE TO HEED THIS WARNING MAY RESULT IN INJURY TO THE SERVICE PROVIDER, OPERATOR OR PATIENT FROM ELECTRIC SHOCK, MECHANICAL OR OTHER HAZARDS.**

AVERTISSEMENT

- **CE MANUEL DE MAINTENANCE N'EST DISPONIBLE QU'EN ANGLAIS.**
- **SI LE TECHNICIEN DU CLIENT A BESOIN DE CE MANUEL DANS UNE AUTRE LANGUE QUE L'ANGLAIS, C'EST AU CLIENT QU'IL INCOMBE DE LE FAIRE TRADUIRE.**
- **NE PAS TENTER D'INTERVENTION SUR LES ÉQUIPEMENTS TANT QUE LE MANUEL SERVICE N'A PAS ÉTÉ CONSULTÉ ET COMPRIS.**
- **LE NON-RESPECT DE CET AVERTISSEMENT PEUT ENTRAÎNER CHEZ LE TECHNICIEN, L'OPÉRATEUR OU LE PATIENT DES BLESSURES DUES À DES DANGERS ÉLECTRIQUES, MÉCANIQUES OU AUTRES.**

WARNUNG

- **DIESES KUNDENDIENST–HANDBUCH EXISTIERT NUR IN ENGLISCHER SPRACHE.**
- **FALLS EIN FREMDER KUNDENDIENST EINE ANDERE SPRACHE BENÖTIGT, IST ES AUFGABE DES KUNDEN FÜR EINE ENTSPRECHENDE ÜBERSETZUNG ZU SORGEN.**
- **VERSUCHEN SIE NICHT, DAS GERÄT ZU REPARIEREN, BEVOR DIESES KUNDENDIENST–HANDBUCH ZU RATE GEZOGEN UND VERSTANDEN WURDE.**
- **WIRD DIESE WARNUNG NICHT BEACHTET, SO KANN ES ZU VERLETZUNGEN DES KUNDENDIENSTTECHNIKERS, DES BEDIENERS ODER DES PATIENTEN DURCH ELEKTRISCHE SCHLÄGE, MECHANISCHE ODER SONSTIGE GEFAHREN KOMMEN.**

AVISO

- **ESTE MANUAL DE SERVICIO SÓLO EXISTE EN INGLÉS.**
- **SI ALGÚN PROVEEDOR DE SERVICIOS AJENO A GEMS SOLICITA UN IDIOMA QUE NO SEA EL INGLÉS, ES RESPONSABILIDAD DEL CLIENTE OFRECER UN SERVICIO DE TRADUCCIÓN.**
- **NO SE DEBERÁ DAR SERVICIO TÉCNICO AL EQUIPO, SIN HABER CONSULTADO Y COMPRENDIDO ESTE MANUAL DE SERVICIO.**
- **LA NO OBSERVANCIA DEL PRESENTE AVISO PUEDE DAR LUGAR A QUE EL PROVEEDOR DE SERVICIOS, EL OPERADOR O EL PACIENTE SUFRAN LESIONES PROVOCADAS POR CAUSAS ELÉCTRICAS, MECÁNICAS O DE OTRA NATURALEZA.**

ATENÇÃO

- **ESTE MANUAL DE ASSISTÊNCIA TÉCNICA SÓ SE ENCONTRA DISPONÍVEL EM INGLÊS.**
- **SE QUALQUER OUTRO SERVIÇO DE ASSISTÊNCIA TÉCNICA, QUE NÃO A GEMS, SOLICITAR ESTES MANUAIS NOUTRO IDIOMA, É DA RESPONSABILIDADE DO CLIENTE FORNECER OS SERVIÇOS DE TRADUÇÃO.**
- **NÃO TENTE REPARAR O EQUIPAMENTO SEM TER CONSULTADO E COMPREENDIDO ESTE MANUAL DE ASSISTÊNCIA TÉCNICA.**
- **O NÃO CUMPRIMENTO DESTE AVISO PODE POR EM PERIGO A SEGURANÇA DO TÉCNICO, OPERADOR OU PACIENTE DEVIDO A' CHOQUES ELÉTRICOS, MECÂNICOS OU OUTROS.**

AVVERTENZA

- **IL PRESENTE MANUALE DI MANUTENZIONE È DISPONIBILE SOLTANTO IN INGLESE.**
- **SE UN ADDETTO ALLA MANUTENZIONE ESTERNO ALLA GEMS RICHIEDE IL MANUALE IN UNA LINGUA DIVERSA, IL CLIENTE È TENUTO A PROVVEDERE DIRETTAMENTE ALLA TRADUZIONE.**
- **SI PROCEDA ALLA MANUTENZIONE DELL'APPARECCHIATURA SOLO DOPO AVER CONSULTATO IL PRESENTE MANUALE ED AVERNE COMPRESO IL CONTENUTO.**
- **NON TENERE CONTO DELLA PRESENTE AVVERTENZA POTREBBE FAR COMPIERE OPERAZIONI DA CUI DERIVINO LESIONI ALL'ADDETTO ALLA MANUTENZIONE, ALL'UTILIZZATORE ED AL PAZIENTE PER FOLGORAZIONE ELETTRICA, PER URTI MECCANICI OD ALTRI RISCHI.**

警告

・このサービスマニュアルには英語版しかありません。
・ＧＥＭＳ以外でサービスを担当される業者が英語以外の言語を要求される場合、翻訳作業はその業者の責任で行うものとさせていただきます。
・このサービスマニュアルを熟読し理解せずに、装置のサービスを行わないで下さい。
・この警告に従わない場合、サービスを担当される方、操作員あるいは患者さんが、感電や機械的又はその他の危険により負傷する可能性があります。

注意:

- 本维修手册仅存有英文本。
- 非 GEMS 公司的维修员要求非英文本的维修手册时，客户需自行负责翻译。
- 未详细阅读和完全了解本手册之前，不得进行维修。
- 忽略本注意事项会对维修员，操作员或病人造成触电，机械伤害或其他伤害。

IMPORTANT! . . . X-RAY PROTECTION

X-ray equipment if not properly used may cause injury. Accordingly, the instructions herein contained should be thoroughly read and understood by everyone who will use the equipment before you attempt to place this equipment in operation. The General Electric Company, Medical Systems Group, will be glad to assist and cooperate in placing this equipment in use.

Although this apparatus incorporates a high degree of protection against x-radiation other than the useful beam, no practical design of equipment can provide complete protection. Nor can any practical design compel the operator to take adequate precautions to prevent the possibility of any persons carelessly exposing themselves or others to radiation.

It is important that everyone having anything to do with x-radiation be properly trained and fully acquainted with the recommendations of the National Council on Radiation Protection and Measurements as published in NCRP Reports available from NCRP Publications, 7910 Woodmont Avenue, Room 1016, Bethesda, Maryland 20814, and of the International Commission on Radiation Protection, and take adequate steps to protect against injury.

The equipment is sold with the understanding that the General Electric Company, Medical Systems Group, its agents, and representatives have no responsibility for injury or damage which may result from improper use of the equipment.

Various protective material and devices are available. It is urged that such materials or devices be used.

CAUTION: United States Federal law restricts this device to use by or on the order of a physician.

CERTIFIED ELECTRICAL CONTRACTOR STATEMENT

All electrical installations that are preliminary to positioning of the equipment at the site prepared for the equipment shall be performed by licensed electrical contractors. In addition, electrical feeds into the Power Distribution Unit shall be performed by licensed electrical contractors. Other connections between pieces of electrical equipment, calibrations, and testing shall be performed by qualified GE Medical personnel. The products involved (and the accompanying electrical installations) are highly sophisticated, and special engineering competence is required. In performing all electrical work on these products, GE will use its own specially trained field engineers. All of GE's electrical work on these products will comply with the requirements of the applicable electrical codes.

The purchaser of GE equipment shall only utilize qualified personnel (i.e., GE's field engineers, personnel of third-party service companies with equivalent training, or licensed electricians) to perform electrical servicing on the equipment.

DAMAGE IN TRANSPORTATION

All packages should be closely examined at time of delivery. If damage is apparent, have notation "**damage in shipment**" written on **all** copies of the freight or express bill **before** delivery is accepted or "signed for" by a General Electric representative or a hospital receiving agent. Whether noted or concealed, damage **MUST** be reported to the carrier **immediately** upon discovery, or in any event, within **14** days after receipt, and the contents and containers held for inspection by the carrier. A transportation company will not pay a claim for damage if an inspection is not requested within this **14** day period.

Call Traffic and Transportation, Milwaukee, WI (414) 827–3468 / 8*285–3468 **immediately** after damage is found. At this time be ready to supply name of carrier, delivery date, consignee name, freight or express bill number, item damaged and extent of damage.

Complete instructions regarding claim procedure are found in Section "S" of the Policy & Procedure Bulletins.

6/17/94

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REVISION HISTORY

REV	DATE	REASON FOR CHANGE
0	Dec. 13, 1996	Initial release.
1	Mar. 7, 1997	Changes to battery installation, drive relay for M4 release.
2	Mar. 28, 1997	Added cord plugs to Page 10.
3	June 24, 1997	Added collimator; updated vertical column, horizontal column lock latch.
4	Aug. 14, 1997	High Impact Inspection.
5	Dec. 1, 1997	Removed screws and added pins to 2169360, item 280.
6	Dec. 10, 1997	Added reference to furnished items in Introduction.
7	Sept. 23, 1998	Updated Collimator Assembly (46–270615P2).
8	Dec. 7, 1998	Updated 2169360, item 19 to 46–267217P22, FUSE.
9	Mar. 7, 2000	Updated Drive Handle Assembly, 46–302276G1.
10	Aug. 8, 2000	Updated 46–315159G9/10, item 13, Power Supply to 46–302350P4.
11	Dec. 10, 2001	Added Part numbers for Panasonic batteries and LVLE power supply.
12	Aug. 23, 2004	Document revision was changed to ’12’ by error during ePDM revisions of the AMX documentation set. There is no difference between revision 11 and revision 12 of this document.

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AMX–4+ RENEWAL PARTS

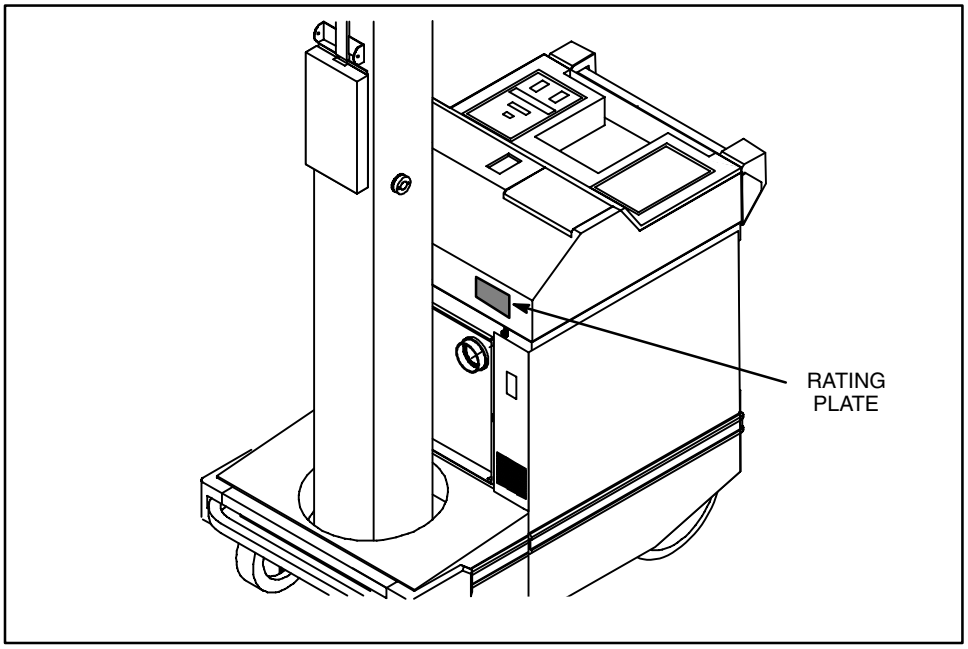
Indentification

See Illustration 15. The AMX–4+ is identified by Model Number on the rating plate located on the top cover. Model part and catalog numbers are identified in Table 5. This direction contains renewal parts for these units.

TABLE 5
AMX–4+ MODELS

Description	Part number	catalog number
domestic	2169360–7	a0659f
domestic, aec	2169360–8	a0659fa
domestic, tech switch	2169360–9	a0659fc
domestic, aec, tech switch	2169360–10	a0659fb
iec, emc	2169360	a0659a
iec, emc, aec	2169360–2	a0659aa
iec, emc, tech switch	2169360–3	a0659ab
iec, emc, aec, tech switch	2169360–4	a0659ac
japan	2169360–5	a0659c
japan short column	2169360–6	a0659d

ILLUSTRATION 15
AMX–4+ IDENTIFICATION



NOTICE

Furnished items such as manuals, labels and touchup paint are listed in Direction 2173222–100 *AMX–4+ Installattion (Model 2169360 Series)*.

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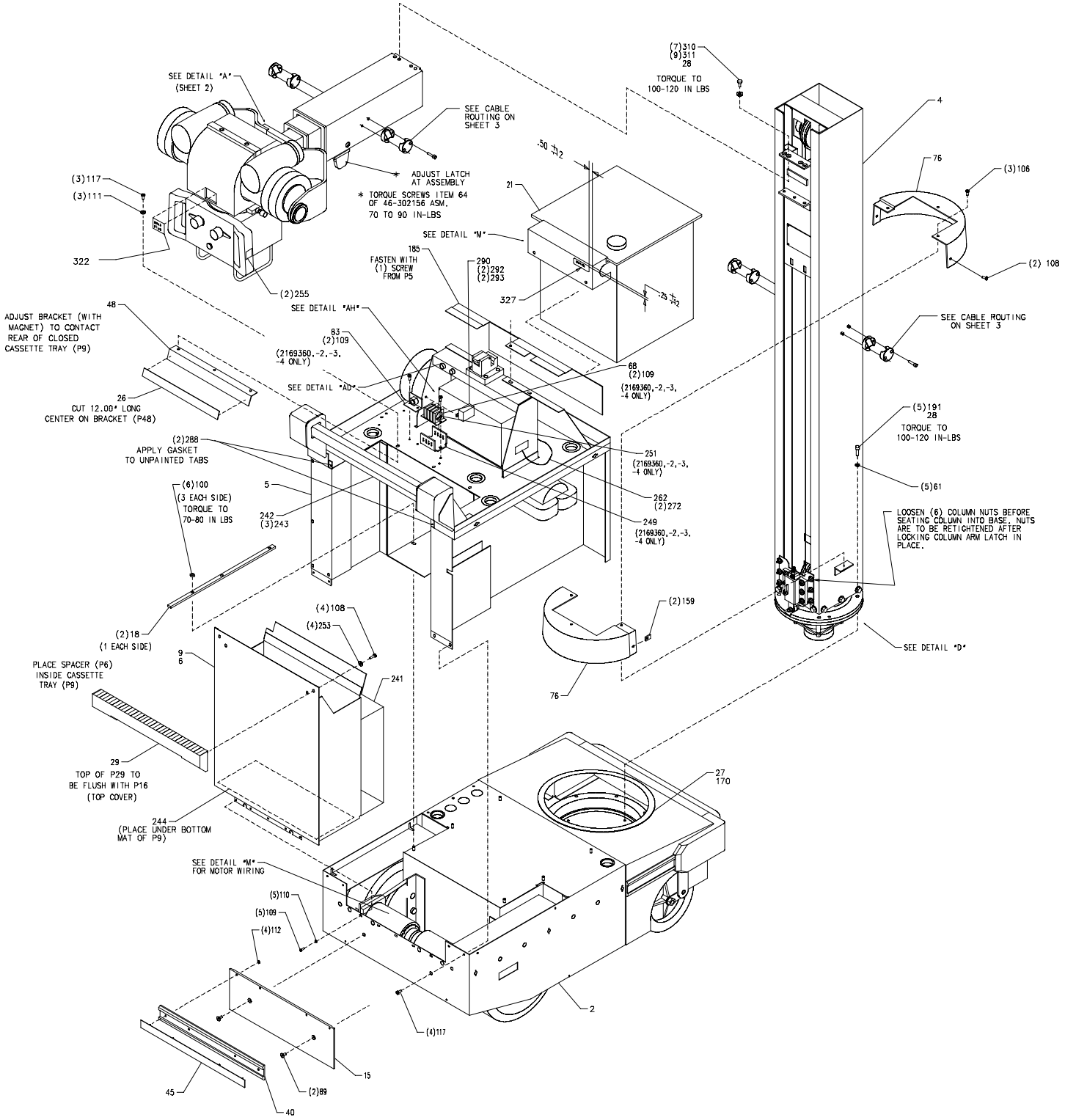
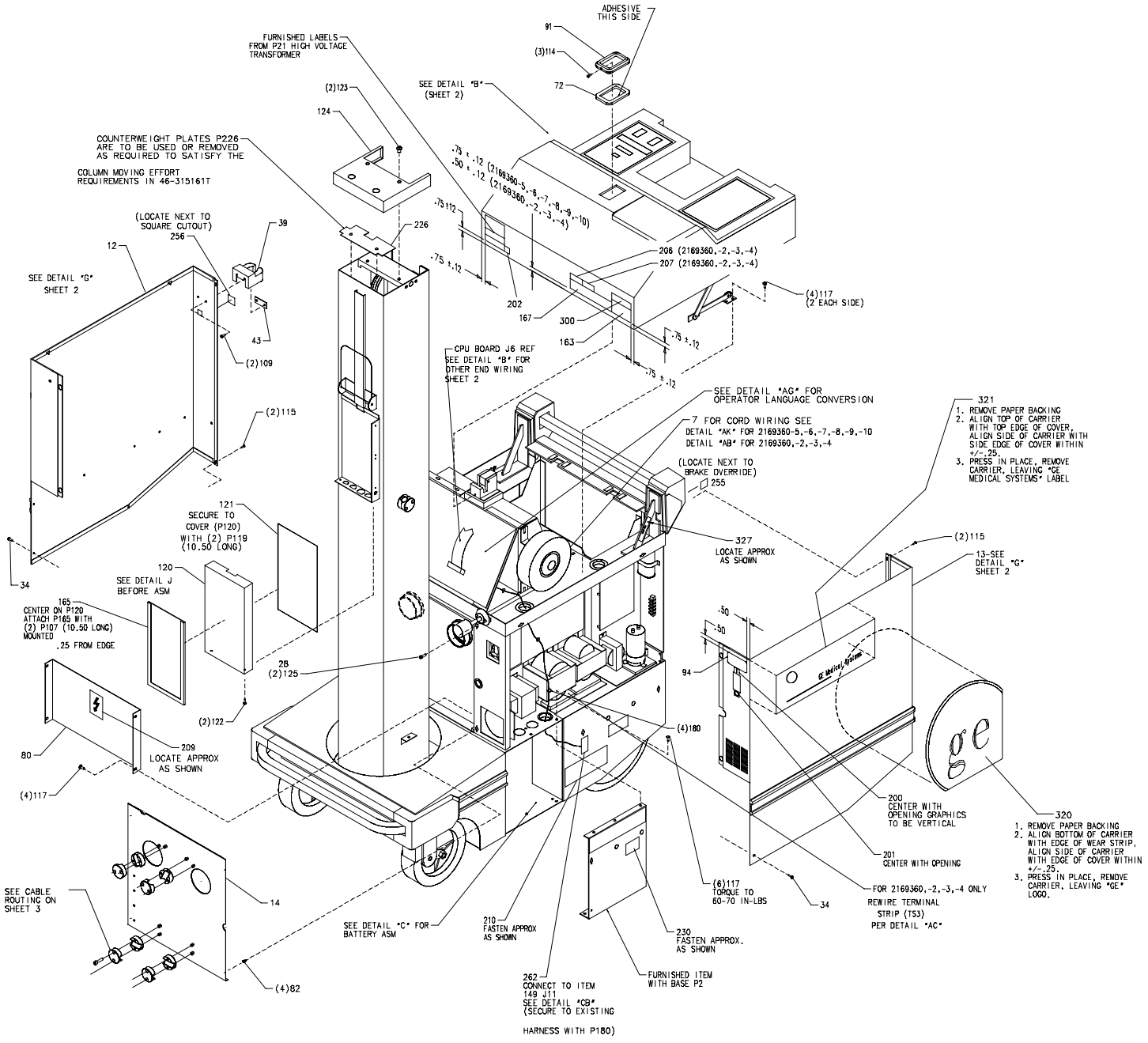
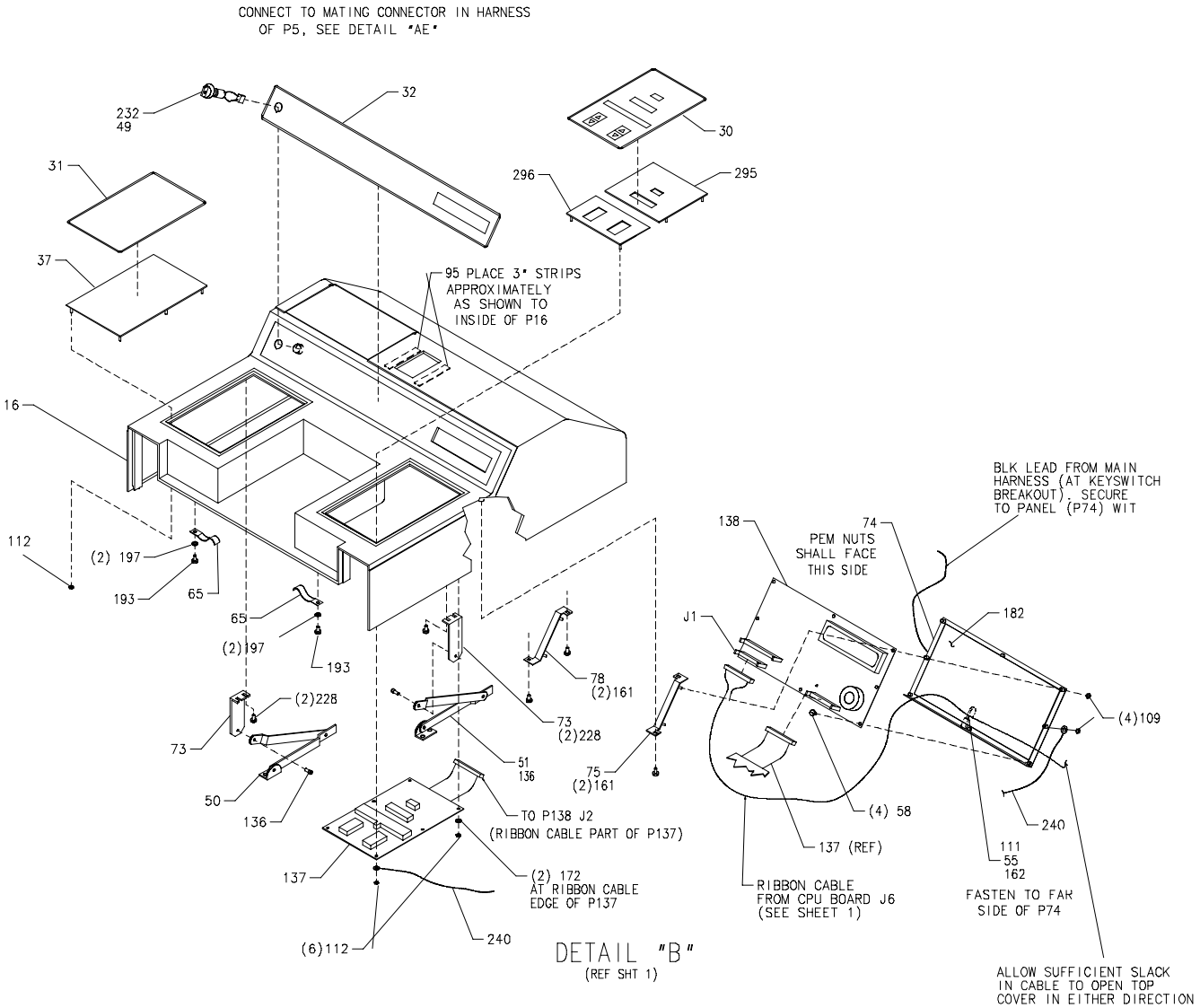
MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10



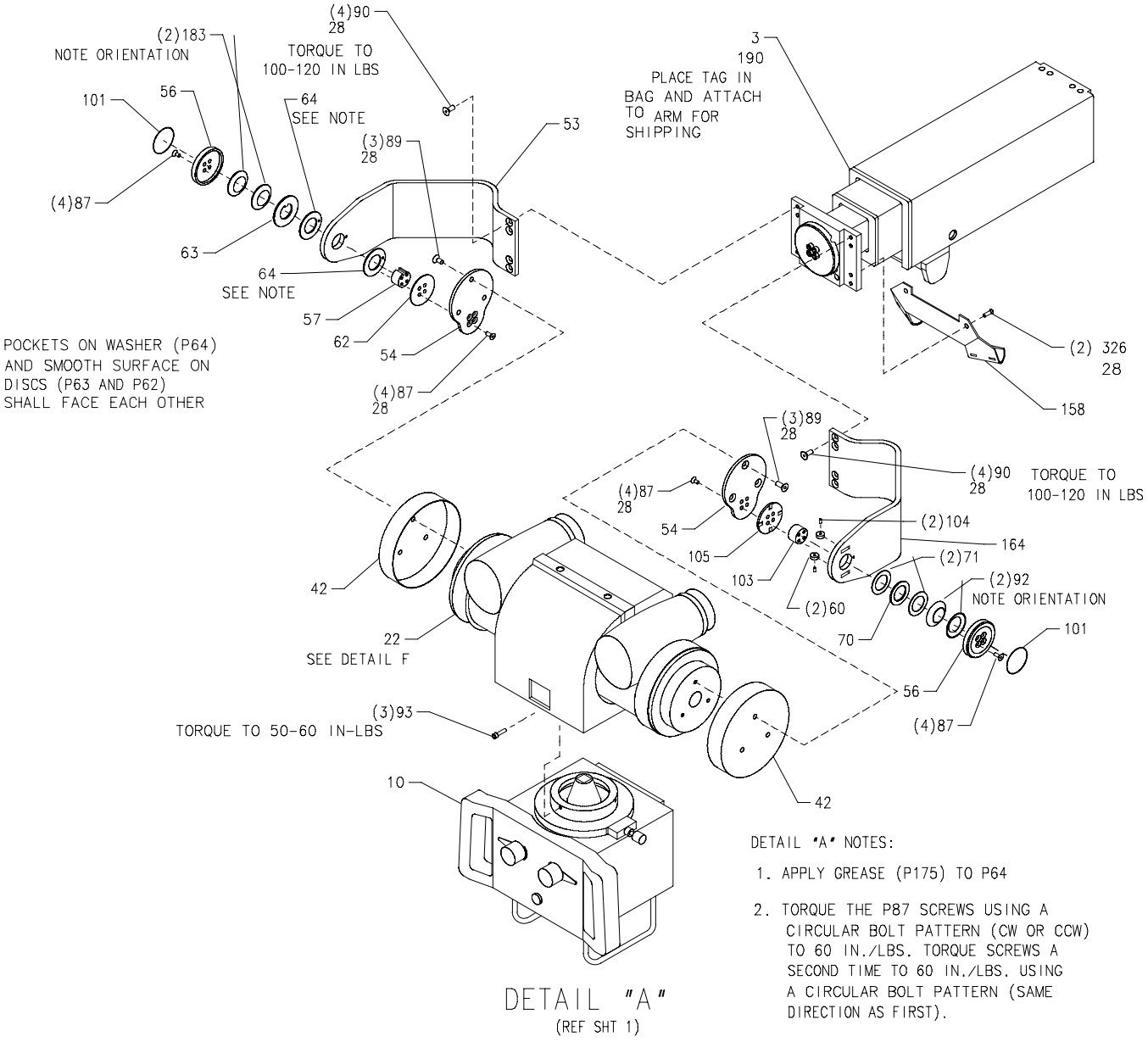
MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10 (FRONT, SIDE AND TOP COVERS)


ADHESIVE THIS SIDE
FURNISHED LABELS FROM P21 HIGH VOLTAGE TRANSFORMER
SEE DETAIL "B" (SHEET 2)
COUNTERWEIGHT PLATES P226 ARE TO BE USED OR REMOVED AS REQUIRED TO SATISFY THE COLUMN MOVING EFFORT REQUIREMENTS IN 46-315161T
(LOCATE NEXT TO SQUARE CUTOUT)
SEE DETAIL "G" SHEET 2
CPU BOARD J6 REF SEE DETAIL "B" FOR OTHER END WIRING SHEET 2
SEE DETAIL "AG" FOR OPERATOR LANGUAGE CONVERSION
7 FOR CORD WIRING SEE DETAIL "AK" FOR 2169360-5,-6,-7,-8,-9,-10 DETAIL "AB" FOR 2169360,-2,-3,-4
(LOCATE NEXT TO BRAKE OVERRIDE)
SECURE TO COVER (P120) WITH (2) P119 (10.50 LONG)
SEE DETAIL J BEFORE ASM
CENTER ON P120 ATTACH P165 WITH (2) P107 (10.50 LONG) MOUNTED .25 FROM EDGE
LOCATE APPROX AS SHOWN
LOCATE APPROX AS SHOWN
CENTER WITH OPENING GRAPHICS TO BE VERTICAL
CENTER WITH OPENING
FOR 2169360,-2,-3,-4 ONLY REWIRE TERMINAL STRIP (TS3) PER DETAIL "AC"
TORQUE TO 60-70 IN-LBS
SEE CABLE ROUTING ON SHEET 3
SEE DETAIL "C" FOR BATTERY ASM
FASTEN APPROX AS SHOWN
FASTEN APPROX. AS SHOWN
FURNISHED ITEM WITH BASE P2
CONNECT TO ITEM 149 J11 SEE DETAIL "CB" (SECURE TO EXISTING HARNESS WITH P180)
1. REMOVE PAPER BACKING
2. ALIGN TOP OF CARRIER WITH TOP EDGE OF COVER, ALIGN SIDE OF CARRIER WITH SIDE EDGE OF COVER WITHIN +/-.25.
3. PRESS IN PLACE, REMOVE CARRIER, LEAVING "GE MEDICAL SYSTEMS" LABEL
1. REMOVE PAPER BACKING
2. ALIGN BOTTOM OF CARRIER WITH EDGE OF WEAR STRIP, ALIGN SIDE OF CARRIER WITH EDGE OF COVER WITHIN +/-.25.
3. PRESS IN PLACE, REMOVE CARRIER, LEAVING "GE" LOGO.

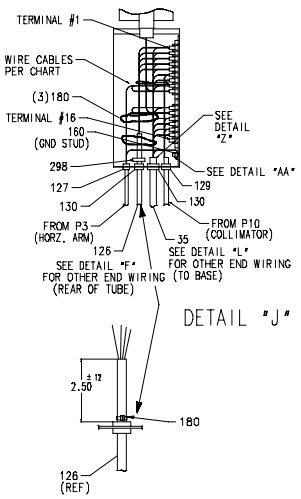
MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10 (TOP COVER ASSEMBLY)

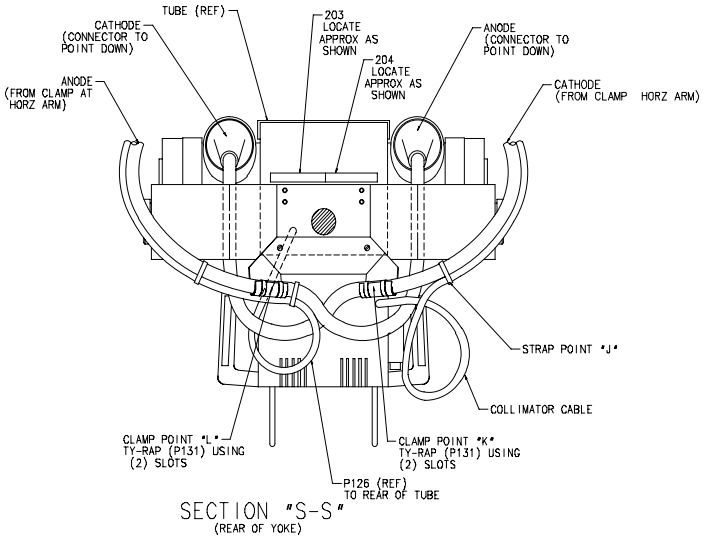


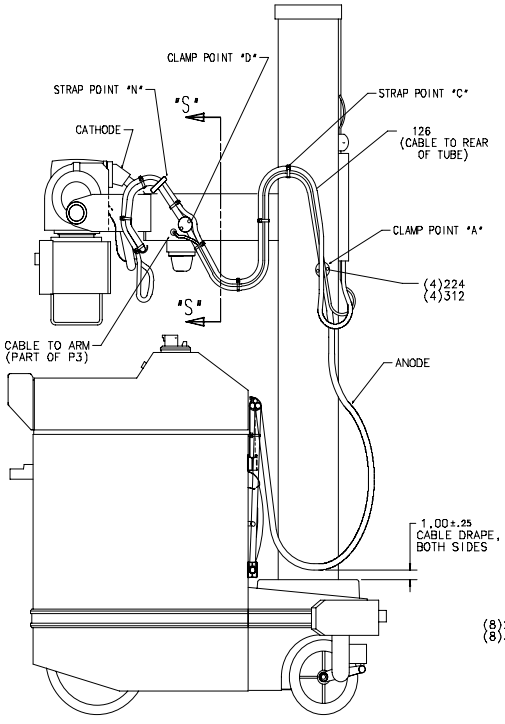
MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10 (HORIZONTAL ARM, COLLIMATOR AND TUBE UNIT ASSEMBLY)

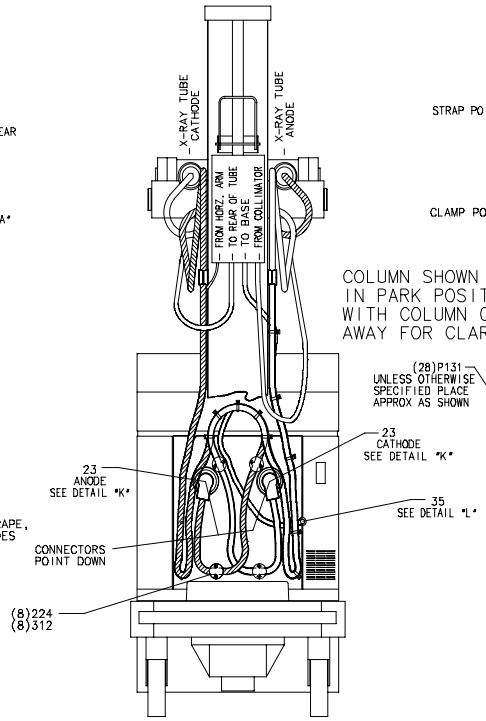


MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10 (CABLE INSTALLATION)

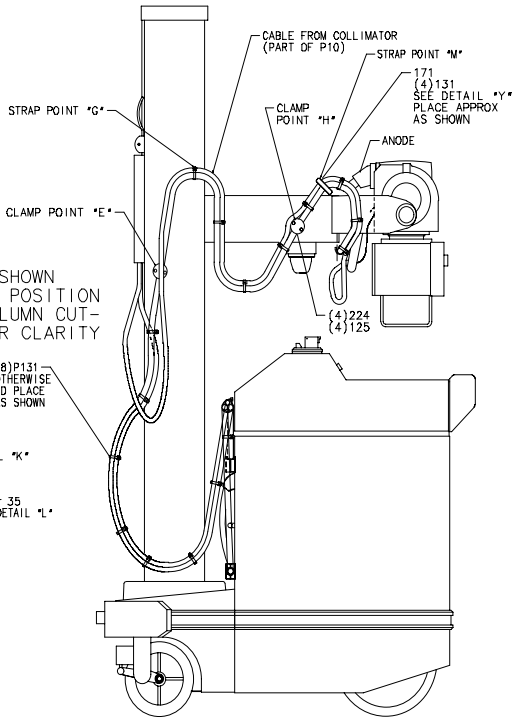


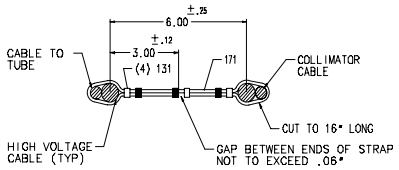

TUBE (REF)
CATHODE (CONNECTOR TO POINT DOWN)
203 LOCATE APPROX AS SHOWN
ANODE (CONNECTOR TO POINT DOWN)
204 LOCATE APPROX AS SHOWN
ANODE (FROM CLAMP AT HORZ ARM)
CATHODE (FROM CLAMP HORZ ARM)
STRAP POINT "J"
COLLIMATOR CABLE
CLAMP POINT "L" TY-RAP (P131) USING (2) SLOTS
CLAMP POINT "K" TY-RAP (P131) USING (2) SLOTS
P126 (REF) TO REAR OF TUBE
SECTION "S-S"
(REAR OF YOKE)

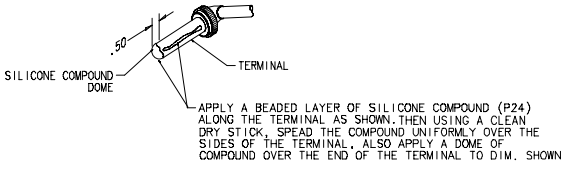




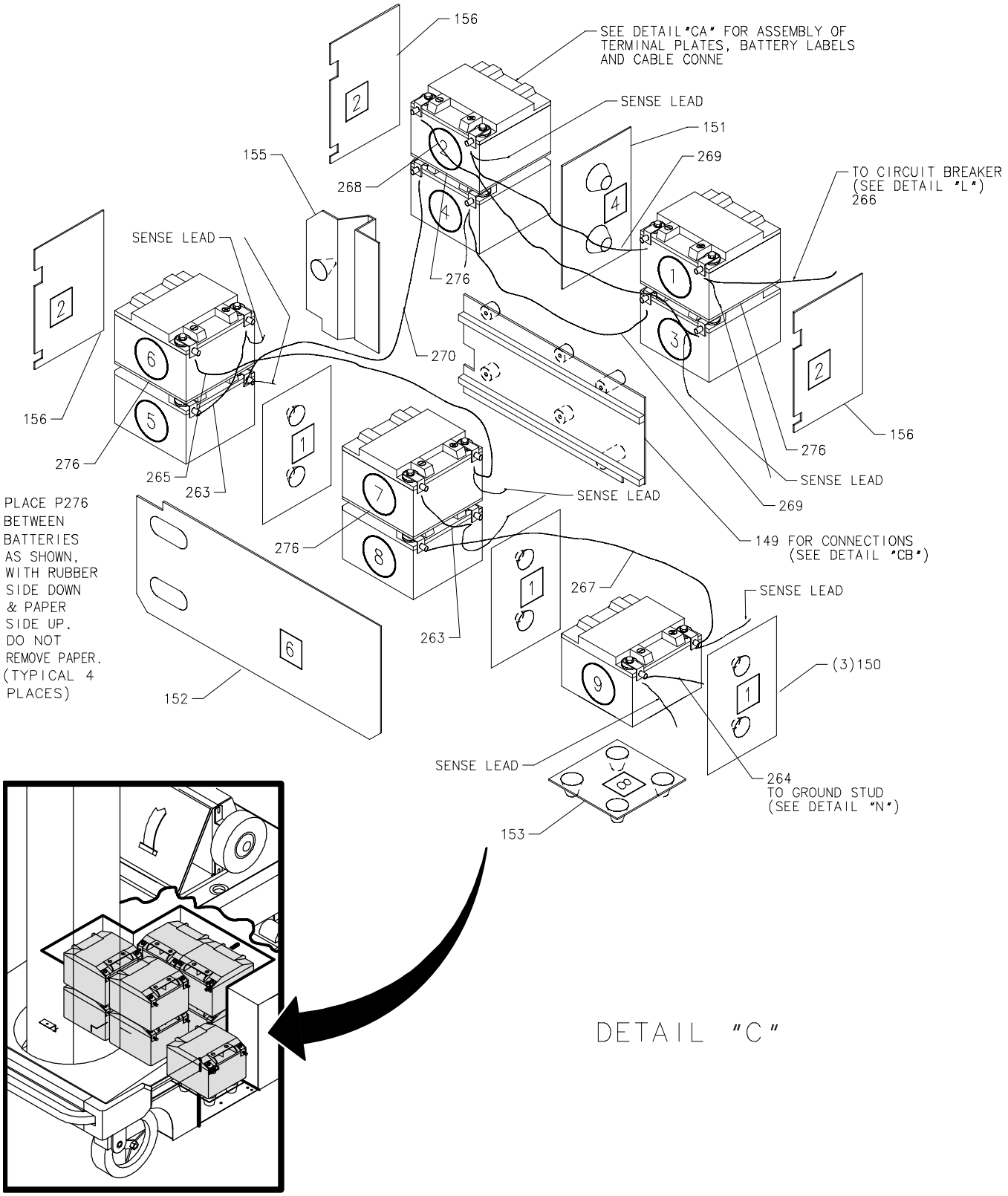
COLUMN SHOWN IN PARK POSITION WITH COLUMN CUT-AWAY FOR CLARITY


CABLE FROM COLLIMATOR (PART OF P10)
STRAP POINT "M"
171 (4)131 SEE DETAIL "Y" PLACE APPROX AS SHOWN
STRAP POINT "G"
CLAMP POINT "H"
ANODE
CLAMP POINT "E"
(4)224 (4)125
(28)P131 UNLESS OTHERWISE SPECIFIED PLACE APPROX AS SHOWN



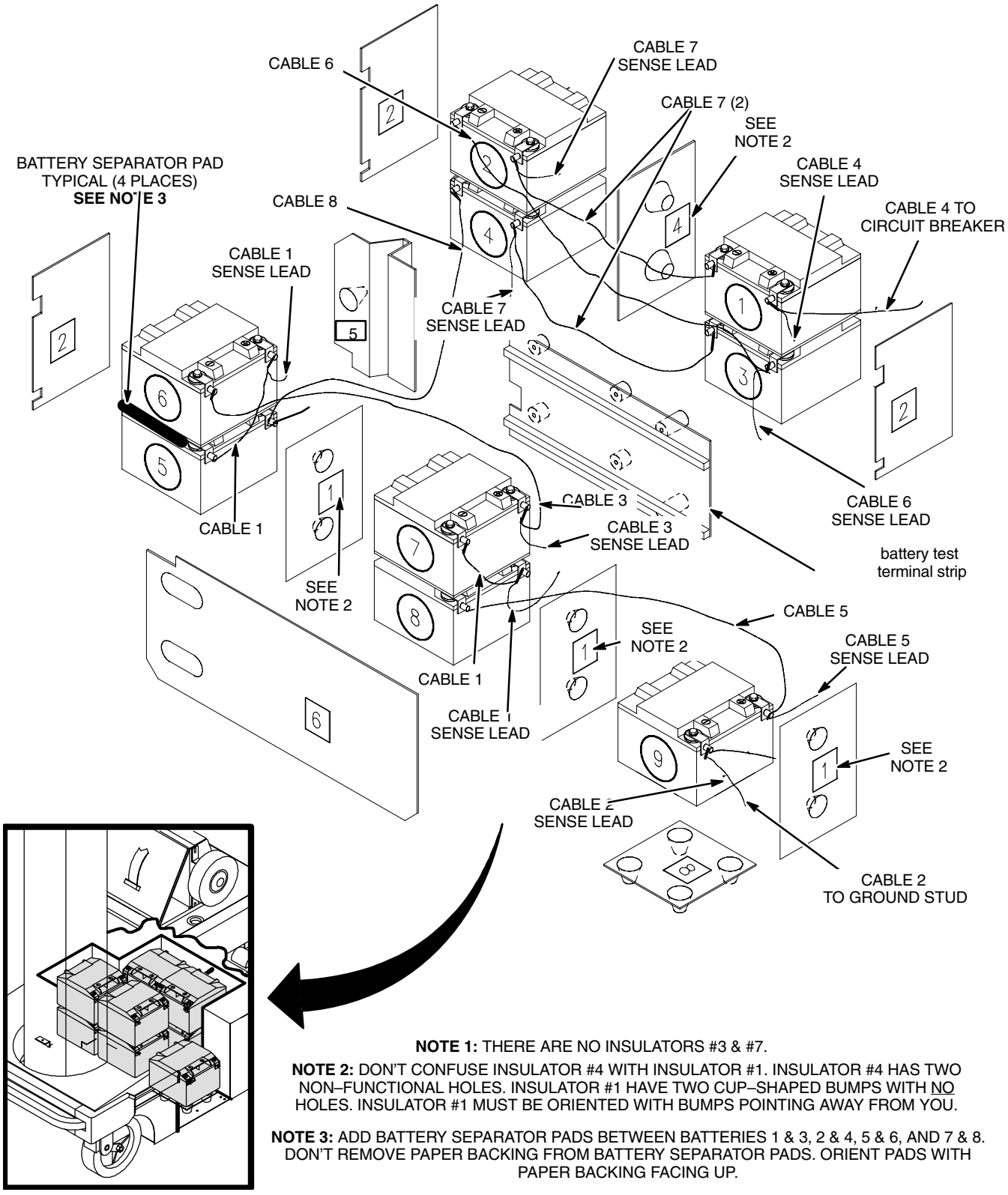

.50
SILICONE COMPOUND DOME
TERMINAL
APPLY A BEADED LAYER OF SILICONE COMPOUND (P24) ALONG THE TERMINAL AS SHOWN. THEN USING A CLEAN DRY STICK, SPEAD THE COMPOUND UNIFORMLY OVER THE SIDES OF THE TERMINAL. ALSO APPLY A DOME OF COMPOUND OVER THE END OF THE TERMINAL TO DIM. SHOWN
DETAIL "K"

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10
(BATTERY INSTALLATION – GENESIS BATTERIES)



DETAIL "C"

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10
(BATTERY INSTALLATION – PANASONIC BATTERIES)

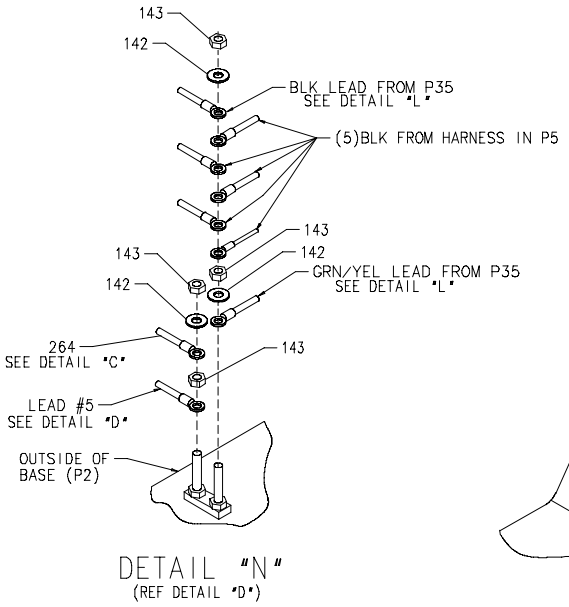


NOTE 1: THERE ARE NO INSULATORS #3 & #7.

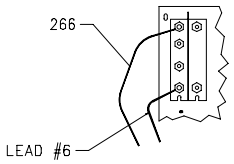
NOTE 2: DON'T CONFUSE INSULATOR #4 WITH INSULATOR #1. INSULATOR #4 HAS TWO NON–FUNCTIONAL HOLES. INSULATOR #1 HAVE TWO CUP–SHAPED BUMPS WITH NO HOLES. INSULATOR #1 MUST BE ORIENTED WITH BUMPS POINTING AWAY FROM YOU.

NOTE 3: ADD BATTERY SEPARATOR PADS BETWEEN BATTERIES 1 & 3, 2 & 4, 5 & 6, AND 7 & 8. DON'T REMOVE PAPER BACKING FROM BATTERY SEPARATOR PADS. ORIENT PADS WITH PAPER BACKING FACING UP.

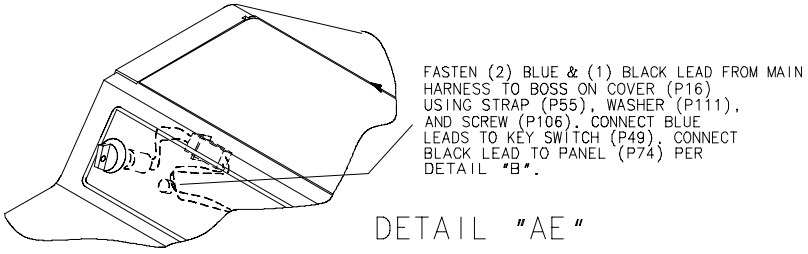
MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10 (DETAIL VIEWS)



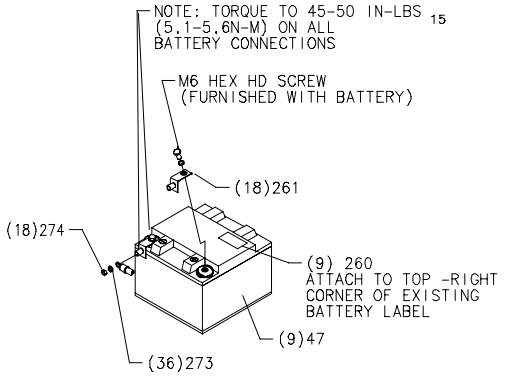
DETAIL "N"
(REF DETAIL "D")



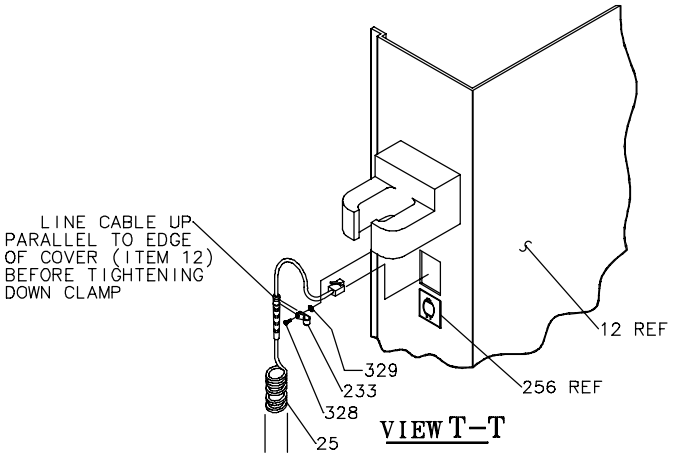
DETAIL "R"
(REF DETAIL "L")


FASTEN (2) BLUE & (1) BLACK LEAD FROM MAIN
HARNESS TO BOSS ON COVER (P16)
USING STRAP (P55), WASHER (P111),
AND SCREW (P106). CONNECT BLUE
LEADS TO KEY SWITCH (P49). CONNECT
BLACK LEAD TO PANEL (P74) PER
DETAIL "B".

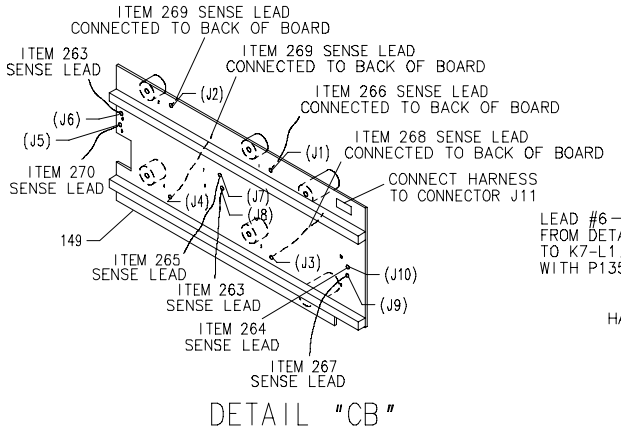
DETAIL "AE"



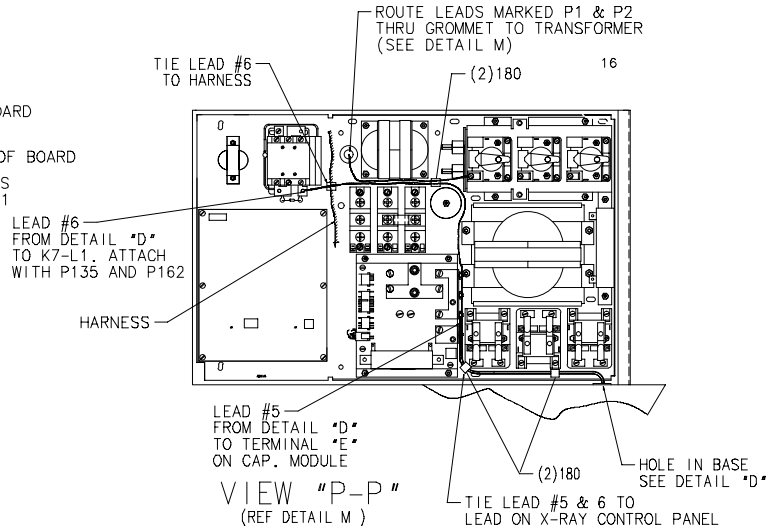
DETAIL "CA"



VIEW T–T

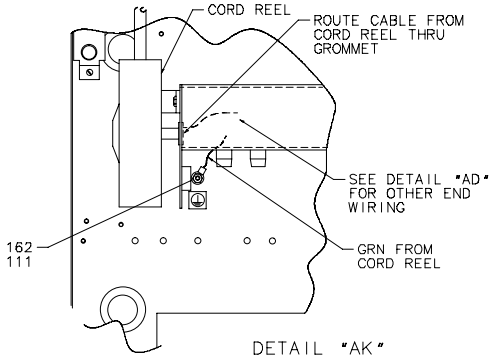


DETAIL "CB"

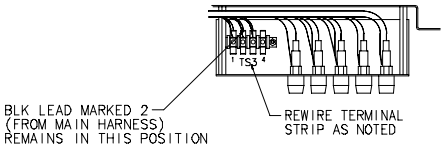


VIEW "P–P"
(REF DETAIL M)

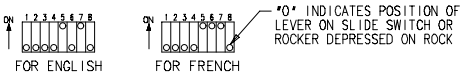
MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10 (DETAIL VIEWS)



DETAIL "AK"
FOR 2169360-5,-6,-7, -8,-9,-10 ONLY
ADJUST MAIN HARNESS IF NECESSARY TO ALLOW FREE OPERATION OF CORD REEL SEE DETAIL "AL"

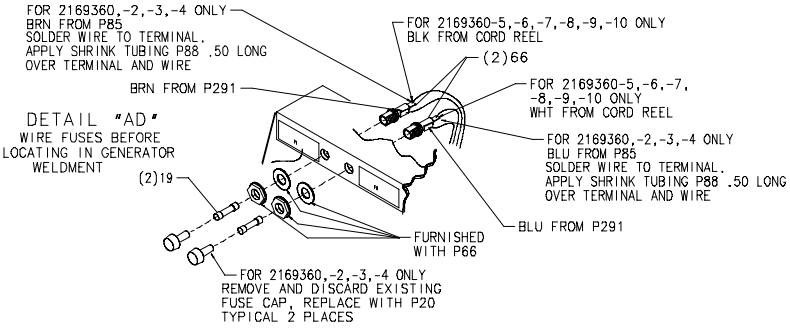

BLK LEAD MARKED 2 (FROM MAIN HARNESS) REMAINS IN THIS POSITION
REWIRE TERMINAL STRIP AS NOTED
REMOVE BRN/WHT LEAD FROM POSITION 1 AND CONNECT TO POSITION 3 (THIS LEAD FROM T3) REMOVE BLK LEAD WITH NO MARKING FROM POSITION 2 AND CONNECT TO POSITION 3 (THIS LEAD FROM T3)

DETAIL "AC"
FOR 2169360,-2,-3,-4 ONLY

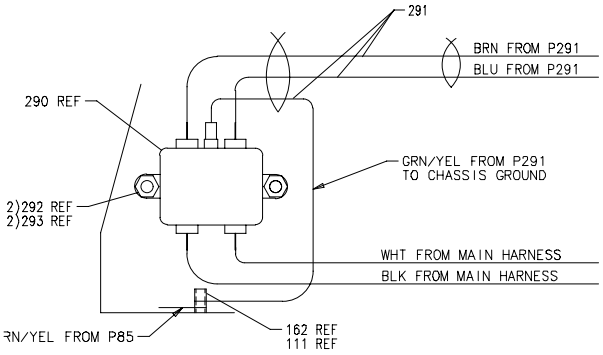


SET SWITCH POSITIONS OF DIP SWITCH S75 ON CPU CIRCUIT BOARD AS INDICATED FOR FRENCH OPERATOR MESSAGES

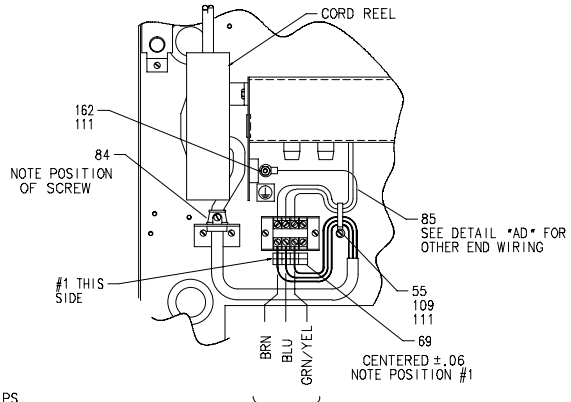
DETAIL "AG"


FOR 2169360,-2,-3,-4 ONLY BRN FROM P85 SOLDER WIRE TO TERMINAL. APPLY SHRINK TUBING P88 .50 LONG OVER TERMINAL AND WIRE
FOR 2169360-5,-6,-7,-8,-9,-10 ONLY BLK FROM CORD REEL
(2)66
BRN FROM P291
FOR 2169360-5,-6,-7, -8,-9,-10 ONLY WHT FROM CORD REEL
FOR 2169360,-2,-3,-4 ONLY BLU FROM P85 SOLDER WIRE TO TERMINAL. APPLY SHRINK TUBING P88 .50 LONG OVER TERMINAL AND WIRE
BLU FROM P291
FURNISHED WITH P66
(2)19
FOR 2169360,-2,-3,-4 ONLY REMOVE AND DISCARD EXISTING FUSE CAP, REPLACE WITH P20 TYPICAL 2 PLACES

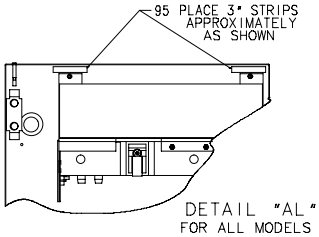
DETAIL "AD"
WIRE FUSES BEFORE LOCATING IN GENERATOR WELDMENT



DETAIL "AH"

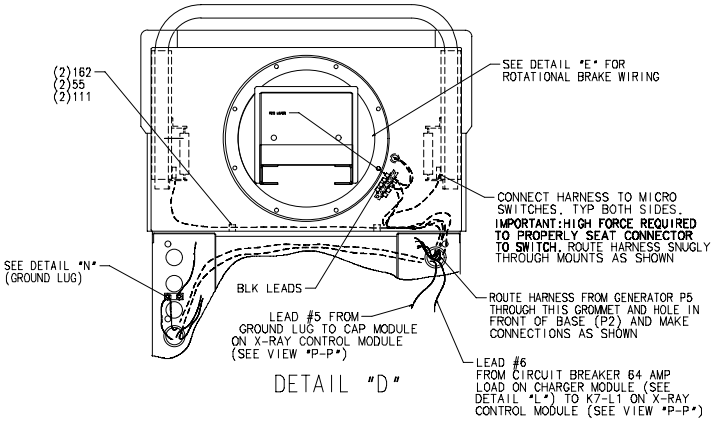


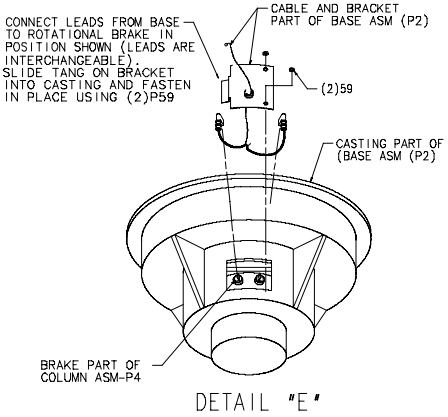
DETAIL "AB"
FOR 2169360,-2,-3-,4 ONLY
ADJUST MAIN HARNESS IF NECESSARY TO ALLOW FREE OPERATION OF CORD REEL SEE DETAIL "AL"

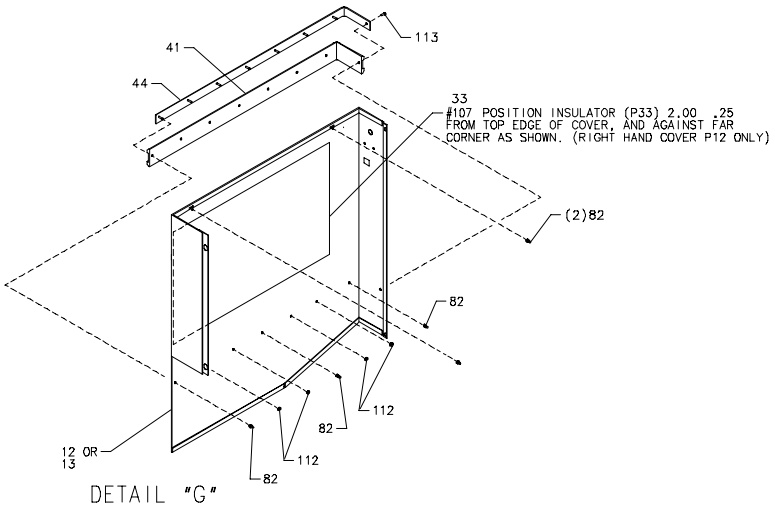


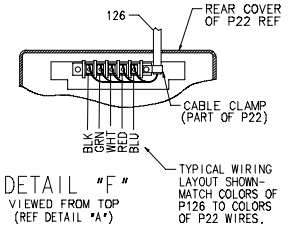
DETAIL "AL"
FOR ALL MODELS

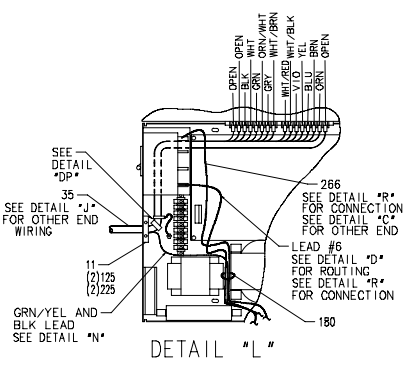
MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10 (DETAIL VIEWS)

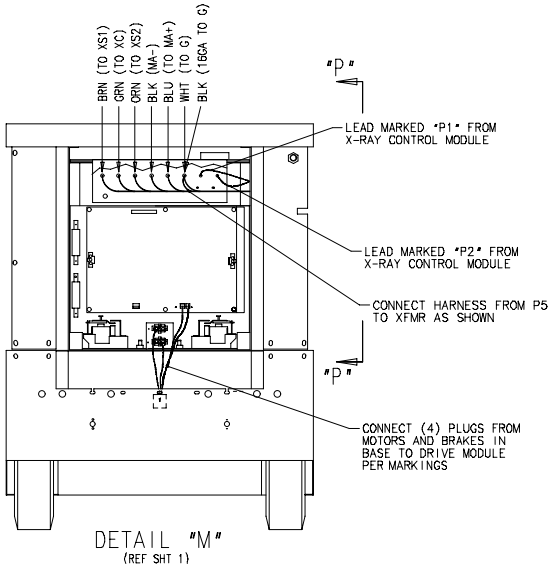

(2)162
(2)55
(2)111
SEE DETAIL "E" FOR ROTATIONAL BRAKE WIRING
CONNECT HARNESS TO MICRO SWITCHES. TYP BOTH SIDES. IMPORTANT:HIGH FORCE REQUIRED TO PROPERLY SEAT CONNECTOR TO SWITCH. ROUTE HARNESS SNUGLY THROUGH MOUNTS AS SHOWN
SEE DETAIL "N" (GROUND LUG)
BLK LEADS
ROUTE HARNESS FROM GENERATOR P5 THROUGH THIS GROMMET AND HOLE IN FRONT OF BASE (P2) AND MAKE CONNECTIONS AS SHOWN
LEAD #5 FROM GROUND LUG TO CAP MODULE ON X-RAY CONTROL MODULE (SEE VIEW "P-P")
LEAD #6 FROM CIRCUIT BREAKER 64 AMP LOAD ON CHARGER MODULE (SEE DETAIL "L") TO K7-L1 ON X-RAY CONTROL MODULE (SEE VIEW "P-P")
DETAIL "D"


CONNECT LEADS FROM BASE TO ROTATIONAL BRAKE IN POSITION SHOWN (LEADS ARE INTERCHANGEABLE).
SLIDE TANG ON BRACKET INTO CASTING AND FASTEN IN PLACE USING (2)P59
CABLE AND BRACKET PART OF BASE ASM (P2)
(2)59
CASTING PART OF (BASE ASM (P2)
BRAKE PART OF COLUMN ASM-P4
DETAIL "E"

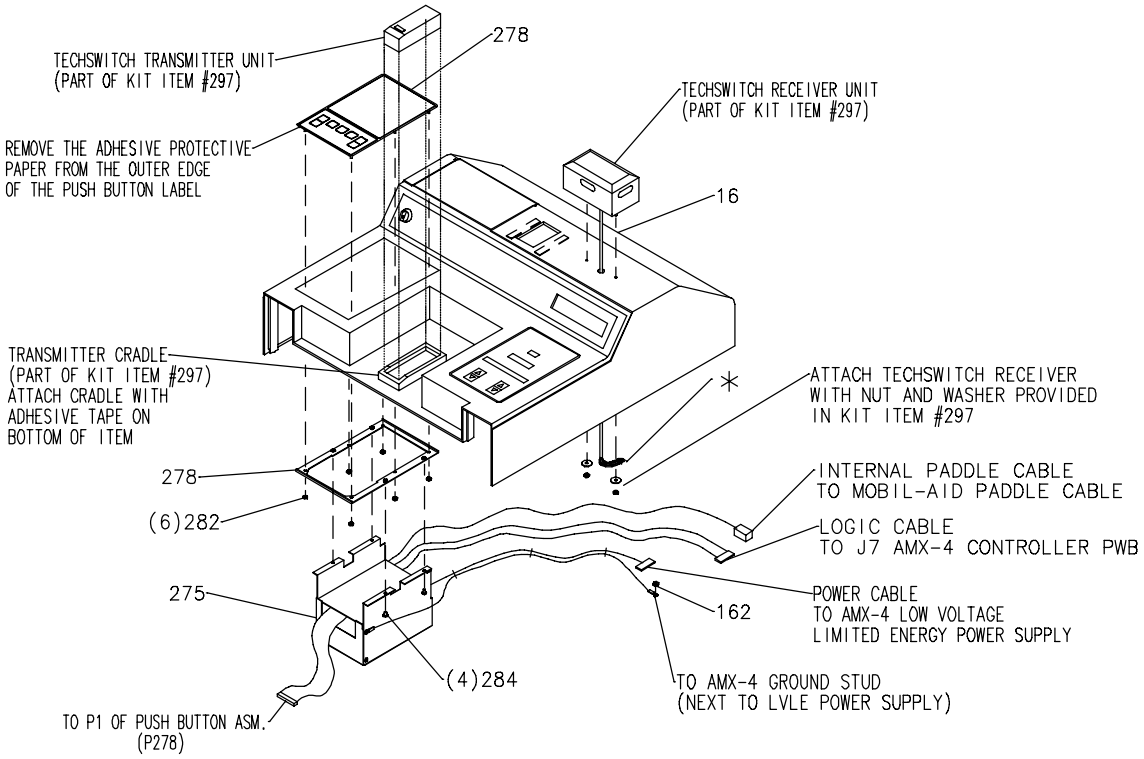


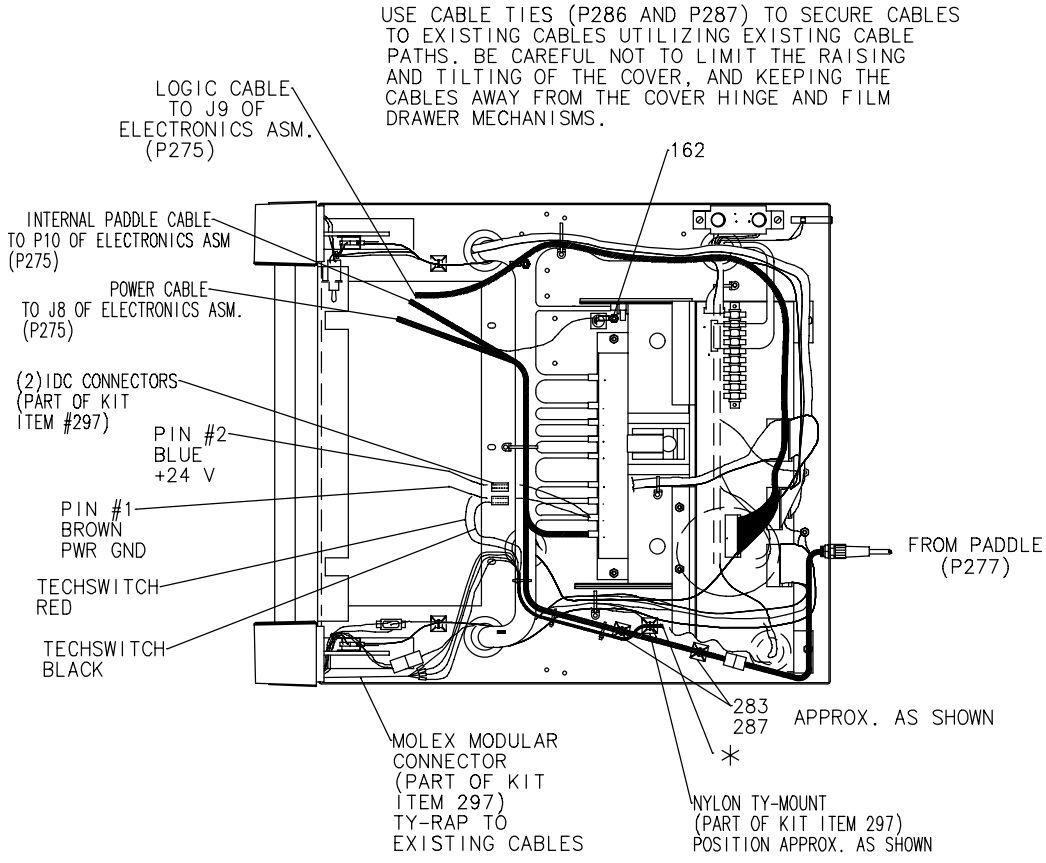




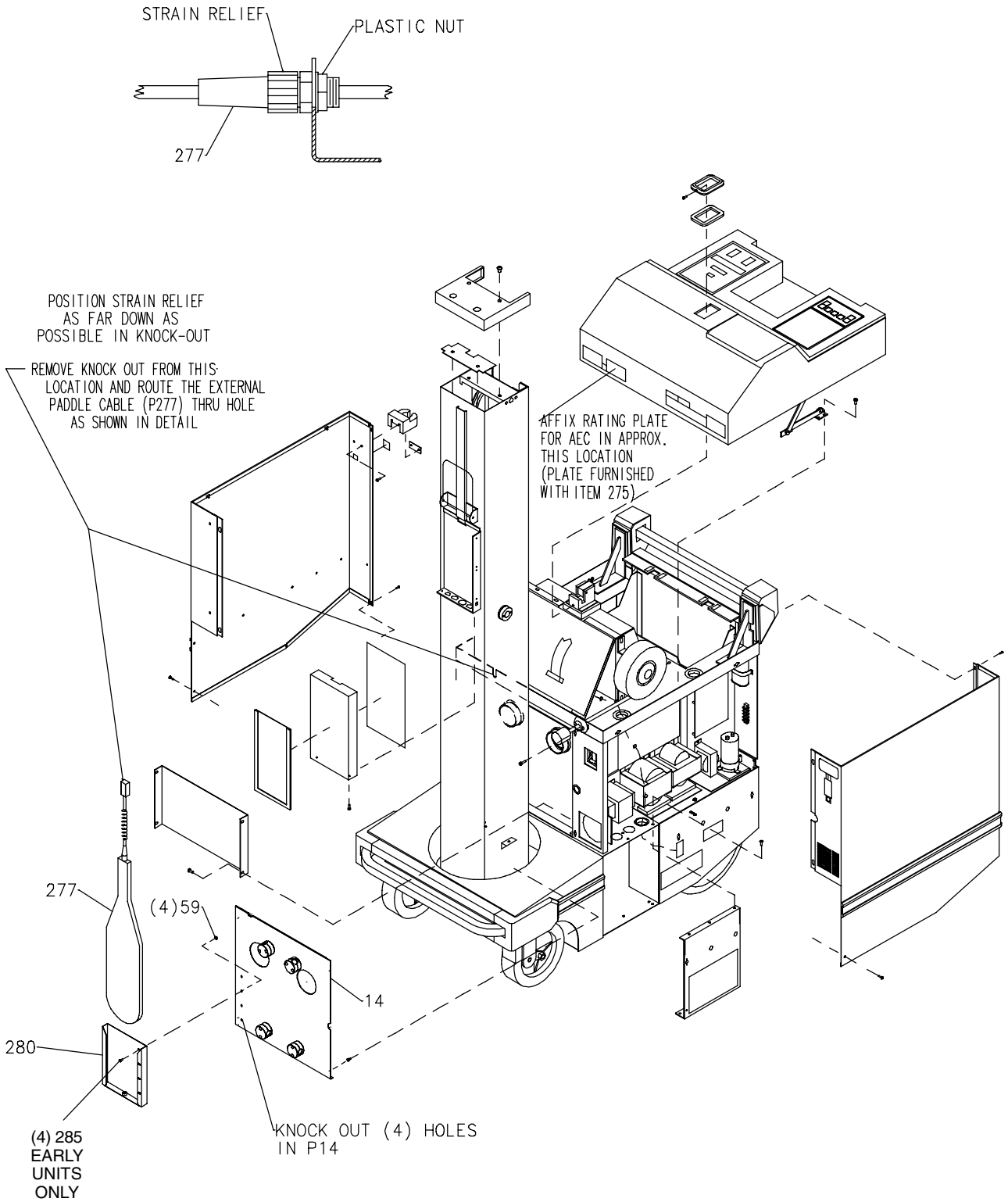

BRN (TO XS1)
GRN (TO XC)
ORN (TO XS2)
BLK (MA-)
BLU (TO MA+)
WHT (TO G)
BLK (16GA TO G)
"P"
LEAD MARKED "P1" FROM X-RAY CONTROL MODULE
LEAD MARKED "P2" FROM X-RAY CONTROL MODULE
CONNECT HARNESS FROM P5 TO XFMR AS SHOWN
"P"
CONNECT (4) PLUGS FROM MOTORS AND BRAKES IN BASE TO DRIVE MODULE PER MARKINGS
DETAIL "M"
(REF SHT 1)

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10 (AID AEC AND TECH SWITCH REMOTE INSTALLATION)





MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10
(AID AEC AND TECH SWITCH REMOTE INSTALLATION)


STRAIN RELIEF
PLASTIC NUT
277
POSITION STRAIN RELIEF AS FAR DOWN AS POSSIBLE IN KNOCK-OUT
REMOVE KNOCK OUT FROM THIS LOCATION AND ROUTE THE EXTERNAL PADDLE CABLE (P277) THRU HOLE AS SHOWN IN DETAIL
AFFIX RATING PLATE FOR AEC IN APPROX. THIS LOCATION (PLATE FURNISHED WITH ITEM 275)
277
(4)59
14
280
(4) 285 EARLY UNITS ONLY
KNOCK OUT (4) HOLES IN P14

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10
2169360BOM REV 5

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–302158G2	BASE	1	1	AMX4+ TOP LEVEL BASE ASM. See Page NO TAG.
3	46–302156G1	HORZ ARM ASM	1	1	AMX 4 HORIZONTAL ARM ASM. See Page 26.
4	2174198	COLUMN ASM	1	1	AMX–4+ COLUMN ASM – 76”. See Page 30. FOR 2169360,–2,–3,–4,–7,–8,–9,–10 ONLY.
	2174198–2	COLUMN ASM	1	1	AMX–4+ COLUMN ASM – 70”. See Page 30. FOR 2169360–6 ONLY.
5	46–315159G7	GEN ASM	N	1	AMX–4+ GENERATOR ASM. See Page 37. FOR 2169360,–2,–3,–4,–7,–8,–9,–10 ONLY.
	46–315159G8	GEN ASM	N	1	AMX–4+ GENERATOR ASM. See Page 37. FOR 2169360–5, –6 ONLY.
6	46–270240P1	SPACER OLD	2	1	AMX 4 – SPACER PLASTIC
7	46–302370G1	CORD REEL	2	1	AMX 4 CORD REEL ASSEMBLY FOR IEC FOR 2169360,–2,–3,–4 ONLY.
	46–303474P1	CORD REEL	1	1	CORD REEL W/9.5’ RETRACTABLE CORD. FOR 2169360–5,–6,–7,–8,–9,–10 ONLY.
8*	46–220261P1	PLUG	2	1	15A 125V 2 POLE 3 WIRE HOSPITAL GRADE FOR 2169360–5,–6,–7,–8,–9,–10 ONLY.
	46–220382P1	PLUG	2	1	15A 250V 2 POLE 3 WIRE HOSPITAL GRADE FOR 2169360,–2,–3,–4 ONLY.
9	46–270231G2	TRAY ASM	1	1	AMX 4 CASSETTE TRAY. See Page 49.
10	46–270615P2	COLLIMATOR	1	1	AMX 4+ COLLIMATOR
11	46–270968P2	CLAMP OLD	2	1	AMX 4 – CABLE CLAMP
12	46–303785G2	RIGHT COVER	2	1	AMX4+ RIGHT COVER
13	46–303784G2	LEFT COVER	2	1	AMX4+ LEFT COVER
14	2172254	FRONT PANEL	2	1	FRONT PANEL, AMX4+
15	46–302164P2	REAR COVER	2	1	AMX4+ REAR KICK PLATE
16	46–303626G4	COVER ASM	2	1	COVER ASM (EMC, GRAY #4) See Page 50.
18	46–270602P1	MTG STRIP	N	2	AMX 4 GEN TO BASE MTG STRIP
19	46–259335P9	FUSE	1	2	6A, 250V TIME–DELAY FUSE. FOR 2169360–5,–6,–7,–8,–9,–10 ONLY.
	46–267217P22	FUSE	2	2	4.00A, 250V SLO BLO FUSE FOR 2169360, –2,–3,–4 ONLY.
20	46–286549P2	FUSE	2	2	FUSE CARRIER FOR 5MM X 20MM FUSE FOR 2169360, –2,–3,–4 ONLY.
21	46–270954G1	HV TRANS ASM	1	1	AMX 4 HIGH VOLTAGE TRNSFMR. See Page 52.
22	46–155750G207	HRT 09N TUBE	1	1	AMX 75 (MIST GRAY)
23	2172008	CABLE PT	1	2	H.V.CABLE 3/C 3/PRONG 16.5 MM CABLE
24	46–125224P3	MECHANICAL/M	2	AR	G 635 THERMAL CONDUCTING COMPOUND.
25	2188371	CABLE	1	1	HANDSWITCH CABLE FOR THE AMX–4/4+
26	46–170509P1	MAGNETICS	2	1	FLEXIBLE PERMANENT MAGNETIC STRIP.
27	46–315136P1	EXTRUSION	2	1	AMX 4 – EXTRUSION GASKET
28	46–170686P2	ADHESIVE OLD	2	AR	LOCTITE 242, 10CC
29	46–270729P3	TRAY HANDLE	2	1	TRAY HANDLE – LIGHT BLUE

* Not shown – included with cord reel.

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10

2169360BOM REV 5

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
30	46–270738P2	LABEL PT	2	1	CONTROL PANEL LABEL – GRAY #4
31	46–270739P2	LABEL PT	2	1	BLANK PANEL LABEL – GRAY #4 FOR 2169360,–3,–5.–6,–7,–9 ONLY.
32	46–315031P2	LABEL PT	2	1	LABEL TOP COVER/KEY SWITCH – GRAY #4
33	46–315281P1	INSULATOR OL	2	1	AMX 4 – RIGHT COVER INSULATOR
34	46–170015P27	SCREW	2	2	6–32 X 1/2 LG BIND HEAD SCREW
35	2150956–2	CABLE	2	1	AMX4+ EMC BASE TO COLUMN CABLE
37	46–270766G1	PANEL	2	1	AMX 4 TOP COVER – BLANK PANEL FOR 2169360, –3, –5, –6, –7, –9 ONLY.
39	46–279005P1	HANGER	2	1	AMX 4 – HANDSWITCH HANGER
40	46–270781P2	PART	2	1	WEAR STRIP – GRAY # 4
41	46–270782P2	WEAR STRIP	2	2	WEAR STRIP – GRAY # 4
42	46–279010P1	END CAP	2	2	AMX 4 TUBE ENDS
43	46–279017G1	HANGER CLAMP	2	1	AMX 4 HANGER CLAMP PLATE
44	46–270785G2	STRIP	2	2	WEAR STRIP
45	46–270786G2	STRIP	2	1	AMX4+ WEAR STRIP STIFFENER(REAR)
46*	46–270800G5	HAND SWITCH	1	1	ADVANTX CONSOLE/AMX HANDSWITCH
47A	46–329097P2	BATTERY	1	9	BATTERY 12 VOLTS 26 AH/KG, HAWKER
47B	2278932	BATTERY	1	9	BATTERY 12 VOLTS 26 AH, PANASONIC
48	46–270909G1	TRAY LOCK	2	1	AMX 4 CASSETTE TRAY LOCK
49	46–303993G1	KEY SW ASM	1	1	AMX 4 – KEY SWITCH ASM (W/O KEYS)
50	46–270912P1	HINGE OLD	2	1	RIGHT HAND SPECIAL
51	46–270912P2	HINGE OLD	2	1	LEFT HAND SPECIAL
53	46–270914P1	BRACKET	2	1	AMX 4 TUBE SUPPORT BRACKET
54	46–270915P1	MTG PLATE	2	2	AMX 4 TUBE MOUNTING BRACKET
55	46–208759P1	TY–RAP OLD	2	4	7.81” X .184” SELF–LOCKING CABLE TIE
56	46–270918P1	COVER	2	2	AMX 4 TUBE SUPPORT COVER
57	46–270919P1	BAR	2	1	AMX 4 TUBE SUPPORT SHAFT
58	46–170015P10	SCREW OLD	2	4	6–32 X 1/4” LG BIND HD STL EXT TOOTH
59	46–170012P36	NUT OLD	2	3/7	6–32 HEX 5/16 NUT THK 7/64, KEPS 3 USED (2169360,–3,–5,–6.–7,–9) 7 USED (2169360–2,–4,–8,–10)
60	46–136282P89	BEARING OLD	2	2	ID 0.1250” OD 0.5000” WIDTH 0.172”
61	46–220181P7	WASHER OLD	2	5	SCREW SIZE 1/4 (0.250) STL
62	46–270922P1	DISC	2	1	AMX 4 TUBE SUPPORT DISC
63	46–270923P1	DISC	2	1	AMX 4 BRK DISC
64	46–136380P15	WASHER OLD	2	2	ID 1.005 OD 1.77 THK .0642
65	46–279104P1	SPRING OLD	2	2	AMX 4 SPRING LATCH FOR TOP COVER
66	46–286549P1	FUSE	2	2	FUSE HOLDER FOR .25 X 1.25 FUSE,
68	46–270114P1	TERMINAL	2	1	4 POS TRAVEL PRESSURE PAD. FOR 2169360, –2, –3, –4 ONLY
69	46–302049P1	LABEL OLD	N	1	AMX 4 MAINS TERMINAL COLOR CODE FOR 2169360,–2,–3,–4 ONLY.
70	46–170183P15	BEARING OLD	2	1	ID 1.002 OD 1.552 ROLLER DIA 0.0781

* Furnished item – Not shown.

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10

2169360BOM REV 5

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
71	46–170183P16	BEARING OLD	2	2	ID 1.002 OD 1.552 THK 0.031 STEEL
72	46–279089P1	SPACER OLD	2	1	AMX 4 FOAM SPACER FOR TOP CVR
73	46–270928P1	BRACKET	2	2	AMX 4 TOP CVR SUPPORT
74	46–270929G1	PANEL	N	1	AMX 4 PROTECTIVE PANEL FOR TOP CVR
75	46–303031P2	BRACKET	N	1	LEFT BRACKET FOR DISPLAY BOARD
76	46–270931P3	MECHANICAL/M	2	2	AMX 4 COL TO BASE OVER
78	46–303031P1	BRACKET	N	1	RIGHT BRACKET FOR DISPLAY BOARD
80	46–270947P1	PLATE	2	1	AMX 4 HV XFMR RESTRAINT
82	46–230145P4	FASTENER OLD	2	14	TINNERMAN P101–525–495
83	46–286598P1	RELIEF BRKT	N	1	AMX 4 – STRAIN RELIEF BRACKET FOR 2169360,–2,–3,–4 ONLY.
84	46–286638P1	BUSHING OLD	N	1	AMX 4 – STRAIN RELIEF FOR 2169360,–2,–3,–4 ONLY.
85	46–302064P1	CABLE	N	1	AMX4 IEC FUSE CABLE. FOR 2169360,–2,–3,–4 ONLY.
87	46–208562P1	SCREW OLD	2	16	00010–32 X 0.500 LG HEX SOC FLAT HD
88	46–136323P38	TUBING OLD	2	AR	BLACK EXPANDED ID .187 FOR 2169360, –2, –3, –4 ONLY
89	46–208562P25	SCREW OLD	2	8	1/4–20 X 0.500 LG HEX SOC FLAT HD
90	46–208562P49	SCREW OLD	2	8	1/4–20 X .625 SOCKET HEAD CAP SCREW
91	46–279088P1	COLLAR CAST	2	1	AMX 4 INVESTMENT CASTING TO SECURE
92	46–136356P17	WASHER OLD	2	2	ID 1.004 OD 1.560 THK .035 STL
93	46–219036P1	SCREW OLD	2	3	10–24 X 0.750 LG HEX SOC HD STL
94	46–279022P1	LABEL	2	1	WARNING:DO NOT RECHARGE BATTERIES IN
95	46–170171P4	RUBBER STR	N	1	ADHESIVE BACKED, SPONGE RUBBER STRIP
100	46–170012P40	NUT OLD	2	6	1/4–20 HEX 7/16 NUT THK 3/16
101	46–279024P1	LABEL	2	2	AMX 4 – CIRCULAR LABEL IN MIST GRAY
103	46–279039P1	BAR	2	1	AMX 4 – STEEL BAR
104	46–279029P2	BAR	2	2	AMX 4 YOKE – STEEL BAR
105	46–279041P1	DISC	2	1	AMX 4 YOKE – DISC
106	46–170015P6	SCREW	2	4	10–32 X 1/2 LG BIND HD STL EXT TOOTH
107	46–170106P2	TAPE OLD	2	AR	DBL COATED FILM .007 THK 17.0W
108	46–279030P3	SCREW OLD	N	6	10X0.75 PAN HD PHILLIPS
109	46–170015P27	SCREW	2	11/16	6–32 X 1/2 LG BIND HEAD SCREW
110	1000904P39	WASHER OLD	2	5	ID 0.173 OD 0.375 THK .0299
111	12–276	WASHER OLD	2	8	ID 0.2040 OD 0.5630 THK .0478
112	46–170012P35	NUT OLD	2	24	6–32, 1/4” HEX KEPS NUT, 3/32 THICK
113	516A772P606	SCREW OLD	2	2	006–32 X 0.375 LG FLAT HD SST 18–8
114	46–170498P79	SCREW OLD	2	3	6–32 X 0.375 LG HEX SOC HD STL
115	46–170015P34	SCREW	2	4	4–40 X 3/8 LG BIND HD STL EXT TOOTH
117	46–221850P3	SCREW OLD	2	23	10–32 X 1/2 LG HEX FLANGE HEAD
119	46–303145P1	TRANSFERTAPE	2	AR	HIGH PERFORMANCE ADHESIVE
120	46–279096P1	COVER	N	1	COVER FOR AMX4 COLUMN JUNCTION BOX

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10

2169360BOM REV 5

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
121	46–279094P1	INSULATOR OL	2	1	COLUMN JUNCTION BOX INSULATOR
122	46–208734P15	SCREW OLD	2	2	6–32 X 0.500 LG HEX WASHER
123	46–170497P28	SCREW OLD	2	2	5/16 X–18 X 0.500 LG HEX SOC BUTTON
124	2156372	COLUMN CAP	2	1	TOP COVER FOR AMX4 COLUMN
125	46–170498P12	SCREW OLD	2	8	10–32 X 1.000 LG HEX SOC HD STL
126	46–279120G1	CABLE	2	1	AMX 4 X–RAY TUBE TO COLUMN CABLE
127	46–208697P25	BUSHING OLD	2	1	HEYCO PART NO.1140 SR–5M–3 BLACK
129	46–208697P55	BUSHING OLD	2	1	HEYCO PART NO.1237, SR–7P–2 BLACK
130	46–208697P61	BUSHING OLD	2	2	HEYCO PART NO.1260 SR–8P–2 BLACK
131	46–208758P5	TY–RAP OLD	2	32	13.38"X .301" SELF–LOCKING CABLE TIE
136	46–170024P6	SCREW	2	2	SHLD DIA 0.187 X SHLD LG 0.125 THD
137	46–232832G1	CIRCUIT BD	1	1	DISPLAY AMX 4 (old)
138	46–264982G1	CIRCUIT BD 1	1		DISPLAY CONTROLLER BOARD
142	12–281	WASHER OLD	2	4	ID 0.2813 OD 0.625 THK .050
143	46–208935P8	NUT OLD	2	4	1/4–20, 7/16" HEX X 3/16 THK, BRASS
149	46–321370G1	CIRCUIT BD	1	1	USED AS AN AMX4 BATTERY SPACER AS
150	46–329061P1	BAT SPACER 1	2	3	AMX4 BATTERY SPACER
151	46–329061P2	BATSPACER 1A	2	1	AMX4 BATTERY SPACER
152	46–329062P1	BAT SPACER 6	2	1	AMX4 BATTERY SPACER
153	46–329063P1	BAT SPACER 8	2	1	AMX4 BATTERY SPACER
155	46–329064P1	BAT SPACER 5	2	1	AMX4 BATTERY SPACER
156	46–329065P1	BAT SPACER 2	2	3	AMX4 BATTERY SPACER
157	46–316923G1	LEAD DATA	N	1	AMX 4 BATTERY HOOK–UP
158	46–279231P1	CLAMP OLD	2	1	AMX 4 YOKE/WIRE CLAMP
159	46–136228P3	FASTENER OLD	1	2	TINNERMAN C1287–832–1
160	46–208935P5	NUT OLD	2	1	6–32, .313 HEX X .109 THK, BRASS
161	46–170015P19	SCREW	2	5	6–32 X 3/8 LG BIND HD STL EXT TOOTH
162	46–170012P39	NUT OLD	2	6/7	10–32, 3/8" HEX KEPS NUT, 1/8" THICK
163	46–302200P9	RATING PLATE	N	1	BLANK RATING PLATE FOR SERIAL NO ETC
164	46–270914P4	BRACKET	2	1	AMX 4 YOKE – BRACKET
165	46–279469P1	CARD HOLDER	2	1	AMX 4 – CARD HOLDER
167	46–302393P1	LABEL OLD	2	1	AMX 4 ENGLISH/FRENCH LABEL FOR 2169360, –2, –3, –4 ONLY
	46–187787P1	LABEL	2	1	CSA CERTIFICATION LABEL FOR 2169360–5, –6, –7, –8, –9, –10 ONLY
170	46–220312P1	ADHESIVE OLD	2	AR	LOCTITE SUPERBONDER 416,
171	46–279403P1	MECHANICAL/M	2	1	AMX 4 – CASSETTE TRAY STRAP
172	2182170	WASHER	N	2	WASHER – #8, 3/8 OD, .03 THICK
174*	46–279518P1	MECHANICAL/M	2	1	PERMANENT BLACK MARKER, FINE POINT.
175	46–170260P1	CHEMICAL OLD	N	AR	LUBRICATING GREASE USED ON BEARINGS.
180	46–208758P2	TY–RAP OLD	2	13	5.5" X .140" SELF–LOCKING CABLE TIE.
182	46–279094P2	INSULATOR OL	N	1	CPU/MOUNTING PLATE INSULATOR
183	46–136356P18	WASHER OLD	2	2	1" 1.01 O.D. 1.625+–.01,MATL

* Furnished item – Not shown.

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10

2169360BOM REV 5

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
185	46–302380P1	CPU COVER	2	1	AMX 4 CPU CIRCUIT BOARD COVER
190	46–286350P1	LABEL	2	1	AMX 4 – NOTICE TAG
191	46–170498P11	SCREW	OLD2	5	1/4–20 X 1.000 LG HEX SOC HD STL
192	1000904P476	WASHER OLD	2	5	ID 0.280 OD 0.820 THK .120
193	46–170024P8	SCREW	2	2	10–32 SLOTTED HEAD
197	1000904P394	WASHER OLD	2	4	ID 0.2600 OD 0.5650 THK .0400
200	46–279773P1	LABEL	2	1	IEC ON SYMBOL
201	46–279772P1	LABEL	2	1	IEC OFF SYMBOL
202	46–279769P1	LABEL	2	1	IEC TYPE B SYMBOL
203	46–286542P1	LABEL	2	1	AMX 4 FRENCH LABEL ”NOMINAL HIGH
204	46–286543P1	LABEL	2	1	AMX 4 FRENCH LABEL ”TUBE NOMINAL
206	46–302035P1	RATING PLATE	2	1	AMX 4 BSI RATING PLATE FOR 2169360, –2, –3, –4 ONLY
207	46–302036P1	RATING PLATE	2	1	AMX 4 IEC RATING PLATE FOR 2169360, –2, –3, –4 ONLY
209	46–279768P1	LABEL	2	1	IEC HIGH VOLTAGE SYMBOL
210	46–329183P1	LABEL OLD	2	1	AMX 4 BATTERY POLARITY
224	2171246	CLAMP	2	16	AMX4+ 16.5MM DIAMETER HV CABLE CLAMP
225	46–220181P5	WASHER OLD	2	2	#10 (0.190) SCREW, ZINC PLATED STEEL
226	46–279784P1	MECHANICAL/M	2	4	COUNTERWEIGHT SHIM PLATE
228	46–221850P9	SCREW OLD	2	4	10–32 X .375 LG WHIZ LOCK
230	46–303430P1	LABEL OLD	2	1	BATTERY REPLACEMENT HISTORY LABEL
232*	46–303652P2	PART	1	2	KEY CAP – LIGHT BLUE
233	2173493	CLAMP	2	1	P CLAMP FOR COILED CORD STRAINRELIEF
239*	46–315954P1	LABEL OLD	2	1	LABEL FOR CASSETTE BIN – ENG/FRENCH
240	46–316223G1	LEAD DATA	N	1	AMX 4 – ESD STRAP
241	46–279081P1	INSULATION	2	1	13” X 13” X .031” FISH PAPER.
242	46–315933P2	TRIM BAR	2	1	AMX4 PLUS TRIM BAR
243	46–170015P23	SCREW	2	3	SCREW
244	46–315998P1	CUSHION	2	1	POLYETHYLENE FOAM 2.2# DENSITY PE
245*	46–315954P2	LABEL OLD	2	1	LABEL FOR CASSETTE BIN – ENG/SPANISH
246*	46–315954P3	LABEL	2	1	LABEL FOR CASSETTE BIN – ENG/GERMAN
247*	46–315954P4	LABEL OLD	2	1	LABEL FOR CASSETTE BIN – ENG/ITALIAN
248*	46–315954P5	LABEL OLD	2	1	LABEL FOR CASSETTE BIN – ENG/JAPANESE
249	46–316386P1	BARRIER	N	1	SHIELD LEXAN .125 THK. FOR 2169360, –2, –3, –4 ONLY
251	46–271110P1	LABEL	2	1	PROTECTIVE EARTH (GROUND). FOR 2169360, –2, –3, –4 ONLY
253	1000904P171	WASHER OLD	2	4	ID 0.266, OD 0.5, THK .032, F70B5A
255	46–316784P2	LABEL,LOCK	2	3	IEC SYMBOL LOCK RELEASE – GE GRAY #4
256	46–316783P1	LABEL,SWITCH	2	1	IEC SYMBOL FOR EXPOSURE HANDSWITCH

* Furnished item – Not shown.

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10

2169360BOM REV 5

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
253	1000904P171	WASHER OLD	2	4	ID 0.266, OD 0.5, THK .032, F70B5A
255	46–316784P2	LABEL,LOCK	2	3	IEC SYMBOL LOCK RELEASE – GE GRAY #4
256	46–316783P1	LABEL,SWITCH	2	1	IEC SYMBOL FOR EXPOSURE HANDSWITCH
260	46–329102P1	LABEL OLD	N	9	BATTERY LABEL FOR INSTALLATION
261	46–329088P2	PLATE TER	2	18	90DEG. ANGLE BATTERY TERM. BRACKET
262	46–316915G2	CABLE	1	1	BATTERY TEST HARNESS CABLE WITH A
263	46–329091P1	CABLE	N	2	BATTERY INTERCONNECT CABLE #1 W/BATTERY VOLTAGE SENSE LEAD
264	46–329091P2	CABLE	N	1	BATTERY INTERCONNECT CABLE #2 W/BATTERY VOLTAGE SENSE LEAD
265	46–329091P3	CABLE	N	1	BATTERY INTERCONNECT CABLE #3 W/BATTERY VOLTAGE SENSE LEAD
266	46–329091P4	CABLE	N	1	BATTERY INTERCONNECT CABLE #4 W/BATTERY VOLTAGE SENSE LEAD
267	46–329091P5	CABLE	N	1	BATTERY INTERCONNECT CABLE #5 W/BATTERY VOLTAGE SENSE LEAD
268	46–329091P6	CABLE	N	1	BATTERY INTERCONNECT CABLE #6 W/BATTERY VOLTAGE SENSE LEAD
269	46–329091P7	CABLE	N	2	BATTERY INTERCONNECT CABLE #7 W/BATTERY VOLTAGE SENSE LEAD
270	46–329091P8	CABLE	N	1	BATTERY INTERCONNECT CABLE #8 W/BATTERY VOLTAGE SENSE LEAD
272	46–208560P13	SCREW OLD	2	2	4–40 X 1/2 LG BIND HEAD STL
273	46–328432P3	WASHER	2	36	WASHER LOCK – SPRING 6.1 MM 11.8 MM
274	46–328425P2	NUT	2	18	NUT HEXAGON 6 MM
275	46–279732P4	AEC MODULE	N	1	AEC ELECTRONICS ASSEMBLY FOR 2169360–2, –4, –8, –10 ONLY.
276	2100969	PAD	2	4	BATTERY SEPARATOR PAD
277	46–279732P7	PADDLE	N	1	ION CHAMBER W/ATTACHED EXT. CABLE FOR 2169360–2, –4, –8, –10 ONLY. **NOTE:** CABLE STOCK AS – AID3383
278	46–279732P9	PUSHBUTTON ASM	N	1	AMX4+ AEC PANELW/BACKING PLATE FOR 2169360–2, –4, –8, –10 ONLY.
279*	46–279732P5	AEC MANUAL	N	1	AEC OWNERS MANUAL FOR 2169360–2, –4, –8, –10 ONLY.
280	46–279732P6	PADDLE HOLDER	N	1	PADDLE HOLDER ASSEMBLY FOR 2169360–2, –4, –8, –10 ONLY.
282	46–170012P61	NUT OLD	2	6	0006–32 HEX .313 NUT HT. .178 FOR 2169360–2, –4, –8, –10 ONLY.
283	46–208747P1	CABLE TIE	2	2	BACKED, PANUIT CORP, ABMM–A (STYLE A) FOR 2169360–2, –4, –8, –10 ONLY
284	46–208560P41	SCREW	2	2/6	8–32 X 0.250 LG BIND HD STL
285	46–170497P36	SCREW	2	4	FOR 2169360–2,–4,–8,–10 ONLY (EARLY UNITS)

* Furnished item – Not shown.

MAJOR COMPONENTS, 2169360, –2, –3, –4, –5, –6, –7, –8, –9, –10

2169360BOM REV 5

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
286	46–208758P3	TY–RAP OLD	2	5	7.31" X .184" SELF–LOCKING CABLE TIE FOR 2169360–2, –4, –8, –10 ONLY
287	46–208758P1	TY–RAP OLD	2	10	3.62" X .094" CABLE TIE. FOR 2169360–2, –4, –8, –10 ONLY
288	2106089	GASKET	N	2	EMI GASKET, CHOMERICS 01–1392–6902
290	2114833	FILTER	2	1	LINE FILTER.
291	2114832	CABLE	2	1	CABLE FOR AMX4.
292	46–208560P41	SCREW OLD	2	2	8–32 X 1/4 LG BIND HD STL
293	46–170012P37	NUT OLD	2	2	8–32, HEX 11/32, NUT THK 1/8, KEPS
295	2135423	PANEL	2	1	AMX 4 PANEL
297	2144117	TECHSW KIT	N	1	TECHSWITCH REMOTE EXPOSURE SWITCH FOR 2169360–3, –4, –9, –10 ONLY. INCL: 2144117–2 TECHSW RECEIVER (1) 2144117–3 TECHSW TRANSMITTER (2) 2144117–4 MOLEX–MODULAR ADAPTOR (1) 2144117–5 IDC CONNECTORS 92) 2144117–6 CRADLE (1) 2144117–7 TECHNICAL INFO MANUAL (2) 2144117–8 USER INTO MANUAL (2) VENDOR NO: TS–CES (4)
296	2135423–2	PANEL	2	1	AMX 4 PANEL
298	2107112	MISC ELECTRO	1	2	FERRITX2 ASSEMBL+ENV NYLON/CABL RON
299	2149328	MECHANICAL/M	N	1	RF GROUNDING STRAP
300	2117390	LABELS	N	1	CE INTERNATIONAL APPROVAL LABEL FOR 2169360,–2,–3,–4 ONLY.
303	91664707	FASTENER	N	2	ATTACHE CABL FERM D7,9X9,5 METAL M4
304	46–297549G2	CABLE, GND	2	1	AMX EMC GROUND STRAP
310	46–208561P22	SCREW	2	7	NOT REQUIRED FOR 2169360–2
311	1000904P59	WASHER OLD	2	9	ID 0.266 OD .500 THK .094
312	46–170498P2	SCREW OLD	2	12	10–32 X 0.750 LG HEX SOC HD STL
320	2170180	LABEL PT	2	2	LABEL FOR SIDES OF AMX4 PLUS FOR 2169360,–2,–3,–4 ONLY.
321	2170181	LABEL PT	2	2	LABEL FOR SIDE OF AMX4–PLUS
322	2170182	LABEL PT	2	1	LABEL FOR SIDE OF AMX4 PLUS COLLIMAT
325	2114831	VIDEO TAPE	N	1	2169360–7, –8, –9, –10 ONLY
326	46–208908P20	SCREW	2	2	6–32 X 1/2 LG BIND HD STL
327	46–279308P1	LABEL	2	3	CAUTION 120V PRESENT AT ALL TIMES
328	46–208560P27	SCREW OLD	2	1	6–32 X 0.500 LG BIND HD STL
329	208599P2	WASHER – STA	2	1/2	#6 SCREW SIZE, EXTERNAL TOOTH

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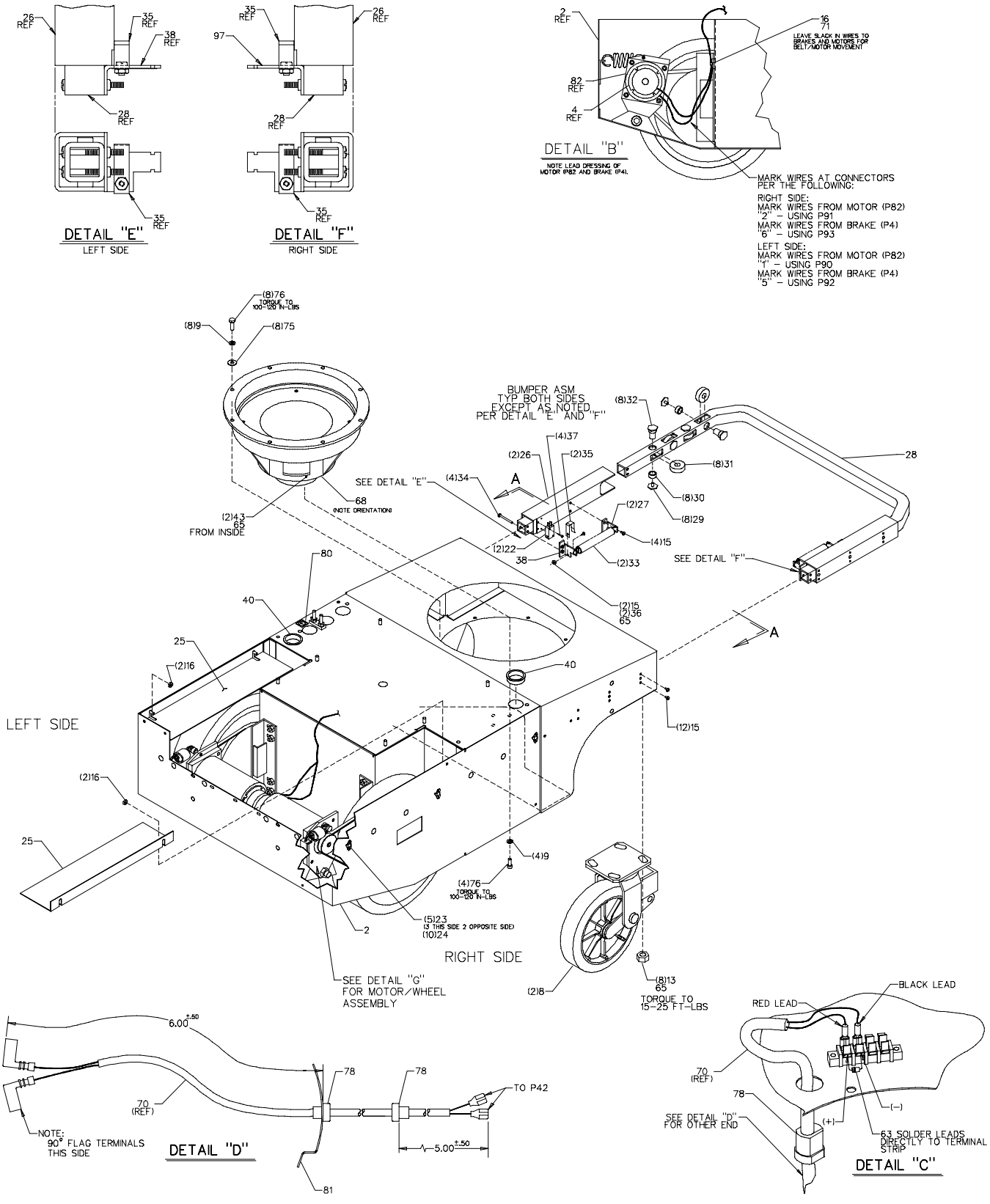
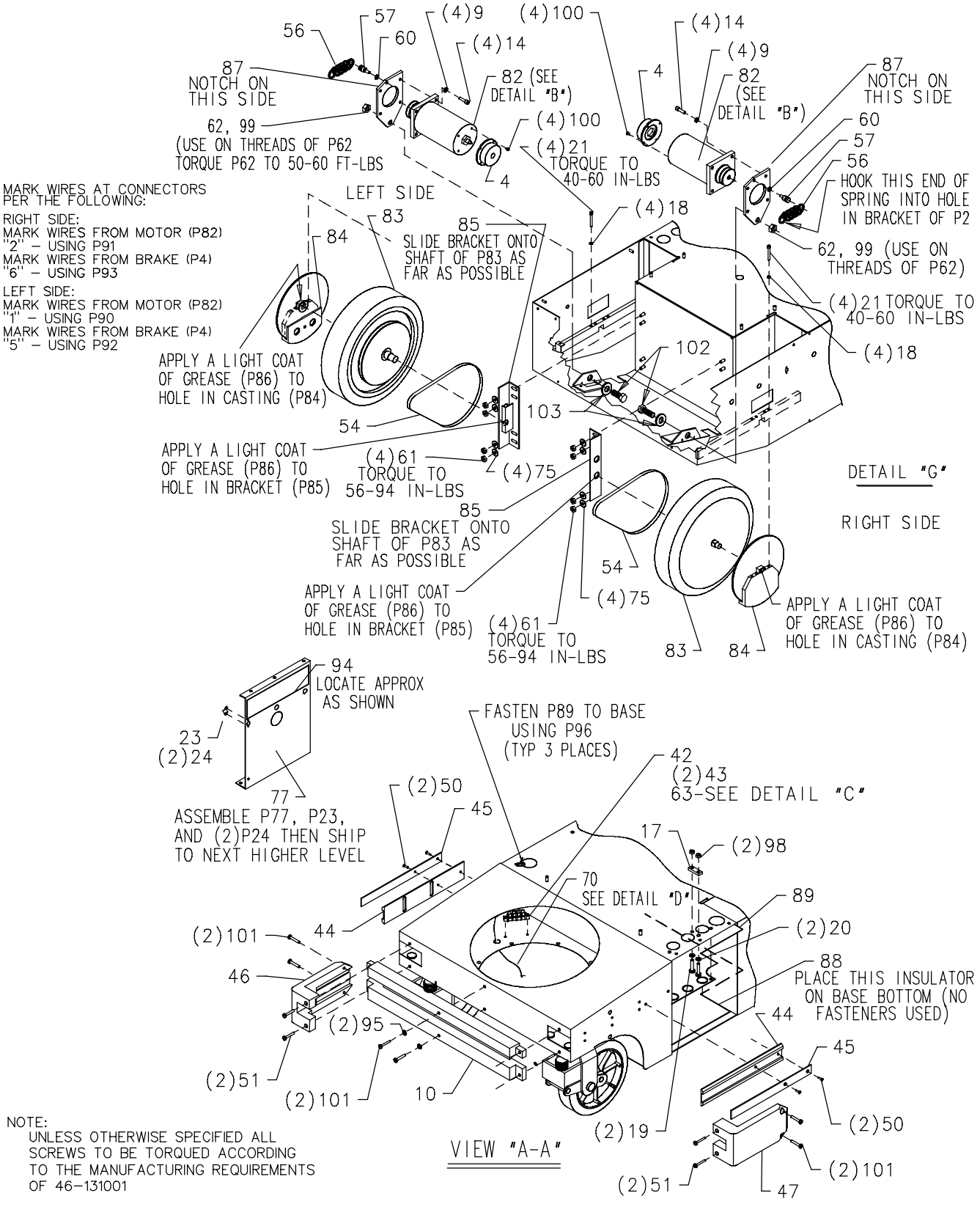
AMX4+ TOP LEVEL BASE ASSEMBLY (INCLUDES 46–302158G2)


DETAIL "E"
LEFT SIDE
DETAIL "F"
RIGHT SIDE
DETAIL "B"
NOTE LEAD DRESSING OF MOTOR (P82) AND BRAKE (P4).
LEAVE SLACK IN WIRES TO BRAKES AND MOTORS FOR BELT/MOTOR MOVEMENT
MARK WIRES AT CONNECTORS PER THE FOLLOWING:
RIGHT SIDE:
MARK WIRES FROM MOTOR (P82) "2" – USING P91
MARK WIRES FROM BRAKE (P4) "6" – USING P93
LEFT SIDE:
MARK WIRES FROM MOTOR (P82) "1" – USING P90
MARK WIRES FROM BRAKE (P4) "5" – USING P92
BUMPER ASM TYP BOTH SIDES EXCEPT AS NOTED PER DETAIL "E" AND "F"
SEE DETAIL "E"
SEE DETAIL "F"
FROM INSIDE
(NOTE ORIENTATION)
LEFT SIDE
RIGHT SIDE
SEE DETAIL "G" FOR MOTOR/WHEEL ASSEMBLY
TORQUE TO 100–120 IN–LBS
TORQUE TO 15–25 FT–LBS
(5)23 (IS THIS SIDE 2 OPPOSITE SIDE) (10)24
NOTE: 90° FLAG TERMINALS THIS SIDE
DETAIL "D"
TO P42
DETAIL "C"
BLACK LEAD
RED LEAD
63 SOLDER LEADS DIRECTLY TO TERMINAL STRIP
SEE DETAIL "D" FOR OTHER END

AMX4+ TOP LEVEL BASE ASSEMBLY (INCLUDES 46–302158G2)


MARK WIRES AT CONNECTORS PER THE FOLLOWING:
RIGHT SIDE:
MARK WIRES FROM MOTOR (P82) "2" – USING P91
MARK WIRES FROM BRAKE (P4) "6" – USING P93
LEFT SIDE:
MARK WIRES FROM MOTOR (P82) "1" – USING P90
MARK WIRES FROM BRAKE (P4) "5" – USING P92
LEFT SIDE
RIGHT SIDE
DETAIL "G"
VIEW "A-A"
NOTE:
UNLESS OTHERWISE SPECIFIED ALL SCREWS TO BE TORQUED ACCORDING TO THE MANUFACTURING REQUIREMENTS OF 46–131001
87 NOTCH ON THIS SIDE
62, 99 (USE ON THREADS OF P62 TORQUE P62 TO 50-60 FT-LBS
82 (SEE DETAIL "B")
(4)21 TORQUE TO 40-60 IN-LBS
HOOK THIS END OF SPRING INTO HOLE IN BRACKET OF P2
62, 99 (USE ON THREADS OF P62)
(4)21 TORQUE TO 40-60 IN-LBS
(4)18
SLIDE BRACKET ONTO SHAFT OF P83 AS FAR AS POSSIBLE
APPLY A LIGHT COAT OF GREASE (P86) TO HOLE IN CASTING (P84)
APPLY A LIGHT COAT OF GREASE (P86) TO HOLE IN BRACKET (P85)
(4)61 TORQUE TO 56-94 IN-LBS
(4)75
94 LOCATE APPROX AS SHOWN
23
(2)24
77
ASSEMBLE P77, P23, AND (2)P24 THEN SHIP TO NEXT HIGHER LEVEL
FASTEN P89 TO BASE USING P96 (TYP 3 PLACES)
42
(2)43
63-SEE DETAIL "C"
(2)50
45
17
(2)98
70 SEE DETAIL "D"
89
(2)20
88 PLACE THIS INSULATOR ON BASE BOTTOM (NO FASTENERS USED)
(2)101
44
46
(2)95
(2)51
(2)101
10
(2)19
(2)50
(2)101
(2)51
47

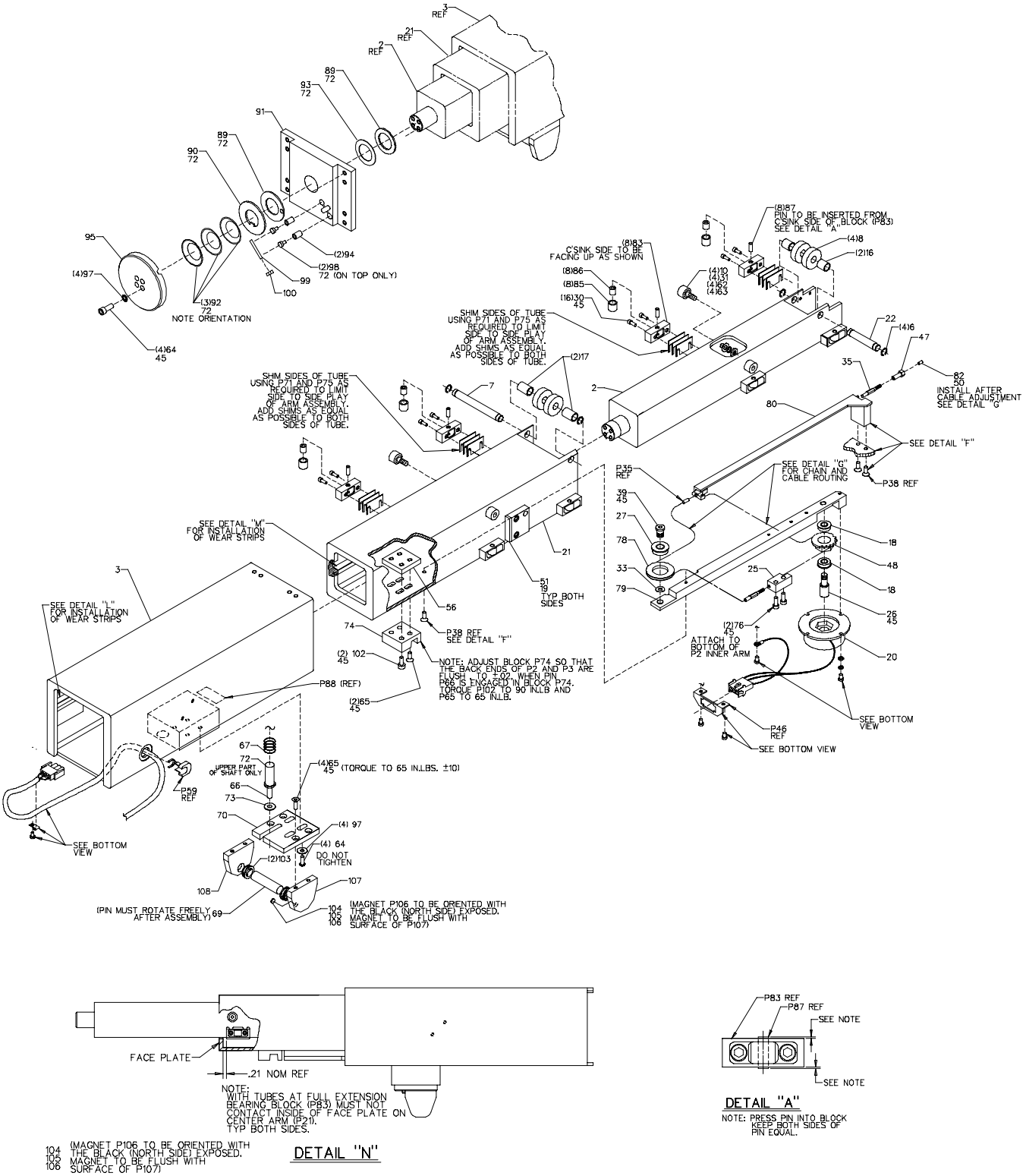
AMX4+ TOP LEVEL BASE ASSEMBLY (INCLUDES 46–302158G2)
46–302158BOM2 REV 2

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–270193G8	BAS WELDMENT	2	1	AMX4 PLUS BASE WELDMENT WITH HEAVY
4	46–270828G1	BRAKE ASM	2	2	AMX 4 BASE ASM
8	46–303780P1	SHOCK/CASTER	2	2	AMX 4 SHOCK ABSORBING SPRING CASTER
9	46–220181P7	WASHER OLD	2	20	SCREW SIZE 1/4 (0.250) STL
10	46–302808P2	PART	2	1	FRONT BUMPER HOUSING GRAY # 4
13	46–286279P5	NUT OLD	2	8	3/8–16 FLANGED NUT
14	46–170498P16	SCREW OLD	N	8	1/4–20 X 0.750 LG HEX SOC HD STL
15	46–170015P10	SCREW	2	18	6–32 X 0.250 LG BIND HD STL EXT TOOTH
16	46–170012P39	NUT OLD	2	5	10–32, 3/8” HEX KEPS NUT, 1/8” THICK
17	46–302204P1	GROUND BAR	2	1	AMX 4 BRASS BAR FOR MAIN CHASSIS GND
18	46–220181P5	WASHER OLD	2	8	#10 (0.190) SCREW, ZINC PLATED STEEL
19	46–208939P1	SCREW OLD	2	2	1/4–20 X 1.500 BRASS THD TO HD
20	46–208599P19	WASHER OLD	2	2	1/4 EXTERNAL TOOTH PHOS, BRONZE
21	46–170498P169	SCREW OLD	2	8	
22	46–136334P53	SWITCH	2	2	SPDT, GENERAL USE, BASIC SWITCH.
23	46–220189P3	FASTENER OLD	2	6	STUD RECEIVER .135 HOLE DIA .685 CD
24	46–220187P4	RIVET OLD	2	12	DIA .125 HOLE .126–.130 –.275 LG
25	46–270683P1	SPLASH GUARD	2	2	AMX 4 – SPLASH GUARD (BASE ASSEMBLY)
26	46–302244P1	CHANNEL	2	2	AMX 4 OUTER BEARING TRACK FOR FRONT
27	46–270399P1	BRACKET	2	2	AMX 4 – BRACKET (BUMPER ASSEMBLY)
28	46–270395P2	BUMPER OLD	N	1	AMX4 PLUS BUMPER
29	46–270398P1	SCREW	N	8	1/4–20 X 3/8 SCREW
30	1000274P471	SPACER OLD	2	8	ID 0.485 OD 0.550 LG 0.288 B4B18
31	46–136282P63	BEARING OLD	2	8	ID 0.4724” OD 1.2598” WIDTH 0.3937”
32	46–270397P1	BAR	N	8	AMX 4 – 1/4–20 THREADED SHAFT
33	46–170490P50	SPRING OLD	2	2	OD 0.650 WIRE DIA .055
34	46–208560P15	SCREW OLD	2	4	8–32 X 1.250 LG BIND HD STL
35	46–302245P1	SPRING	2	2	AMX 4 SPRING FOR BUMPER SWITCHES
36	46–170012P36	NUT OLD	2	2	6–32 HEX 5/16 NUT THK 7/64, KEPS
37	46–208560P16	SCREW OLD	2	4	2–56 X 0.50 LG BIND HD STL
38	46–303027P1	SWITCH BRKT	2	1	AMX 4 BASE – SPRING BRACKET
40	46–208695P81	BUSHING OLD	2	2	HEYCO PART NO.2240 SB–1500–21 BLACK
42	403B335P2	TERMINAL	2	1	04 POSITION TERMINAL STRIP, 20 AMP,
43	46–170015P37	SCREW	2	4	6–32 X 0.625 LG BIND HD STL EXT TOOTH
44	46–270746P2	PART	2	2	WEAR STRIP WITH GRAY # 4.
45	46–270783P2	STRIP	2	2	WEAR STRIP STIFFENER – GRAY # 4
46	46–270980P3	PART	2	1	RIGHT CORNER PAD – GRAY # 4
47	46–270981P3	PART	2	1	LEFT CORNER PAD – GRAY # 4
50	46–208908P22	SCREW OLD	2	4	6–32 X 0.500 SLOT FLT HD
51	46–208560P10	SCREW OLD	2	4	10–32 X 1.250 LG BIND HD STL

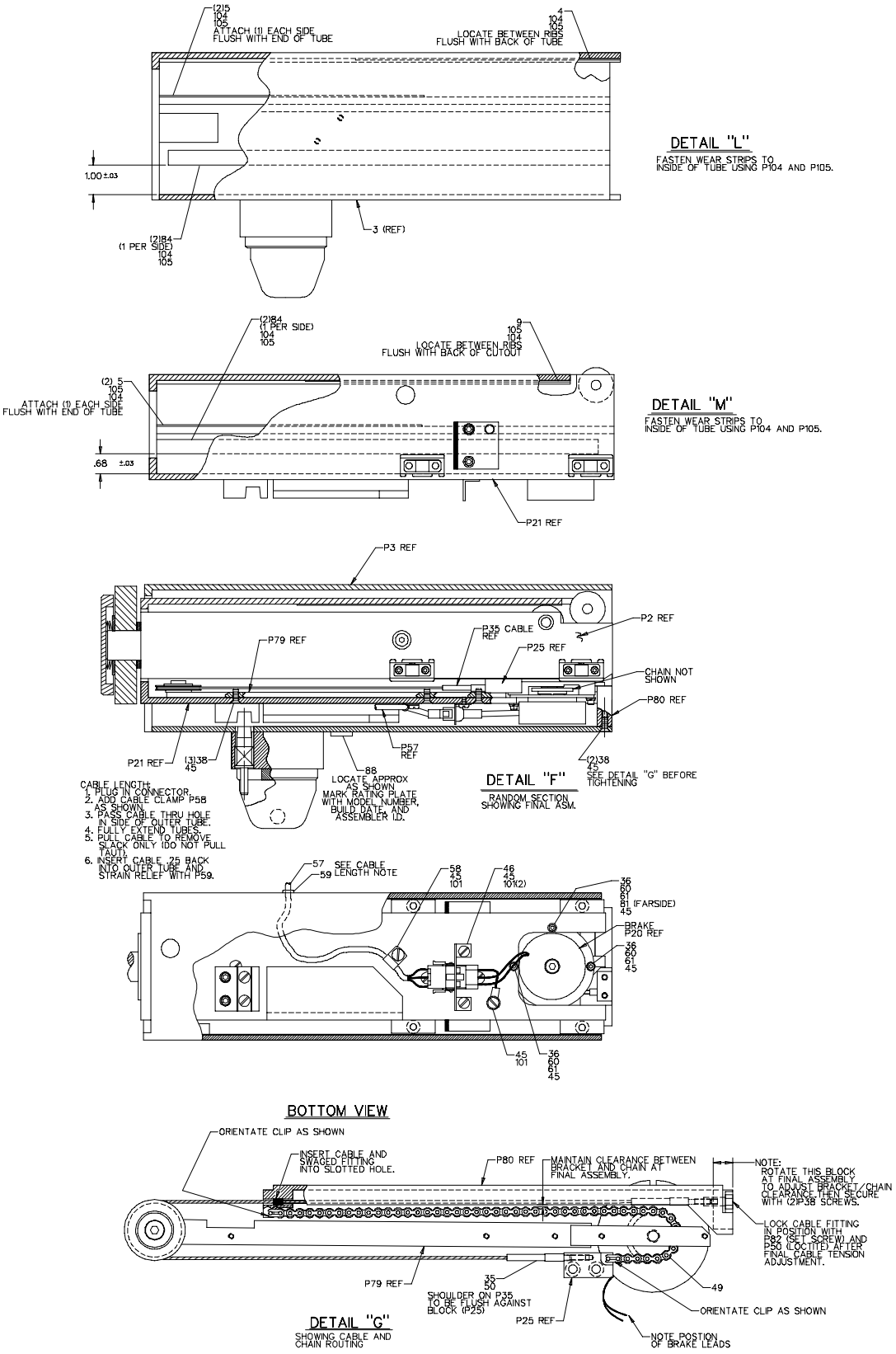
AMX4+ TOP LEVEL BASE ASSEMBLY (INCLUDES 46–302158G2)
46–302158BOM2 REV 2

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
54	46–279297P1	BELT OLD	2	2	SIZE 3V TOP WIDTH 0.375 LG 026.500
56	46–279869P1	SPRING OLD	2	2	OD1.000 WIRE DIA . MAX LB
57	46–279292P1	SCREW OLD	N	2	001/4–20 THD LG .50 TO HOLD SPRING
60	46–208948P5	NUT OLD	2	2	1/4–20 .438 HEX X .226 THK, 18–8 SST
61	46–170012P40	NUT OLD	2	8	1/4–20 HEX 7/16 NUT THK 3/16
62	46–208948P3	NUT OLD	2	2	1/2–13, 3/4" HEX, 7/16" THK 18–8 SST
63	46–302772P1	SEMICONDUCTO	2	1	1N4936 0400V 001.00A FAST REC
65	46–170686P2	ADHESIVE OLD	2	AR	LOCTITE 242, 10CC
68	46–302023P1	COLUMN SUPP	N	1	AMX 4 VERTICAL COLUMN SUPPORT
70	46–302024G1	BRAKE CABLE	2	1	AMX 4 ROTATIONAL BRAKE CABLE
71	46–208759P1	TY–RAP OLD	2	1	7.81" X .184" SELF–LOCKING CABLE TIE
75	12–275	WASHER OLD	2	16	ID 0.2656 OD 0.75 THK .050
76	46–208561P22	SCREW OLD	2	12	1/4–20 X 0.625 LG HEX HD STL
77	46–270749G1	END CAP	2	1	AMX 4 BATTERY COMPARTMENT COVER
78	46–208697P25	BUSHING OLD	2	2	HEYCO PART NO.1140 SR–5M–3 BLACK
80	46–271110P2	LABEL	2	1	
81	46–302021P1	COVER	2	1	AMX 4 COVER PLATE FOR LOWER COLUMN
82	46–302162G1	MOTOR ASM	2	2	AMX 4 MAIN DRIVE MOTOR ASM
83	46–270166P6	CASTER OLD	2	2	AMX 4 DRIVE WHEEL,SLIP CLUTCH DESIGN
84	46–286973G1	DISC ASM	2	2	AMX 4 – DISC ASSEMBLY
85	46–286978P1	SUPP ANGLE	2	2	AMX 4 BASE – SUPPORT ANGLE BRACKET
86	46–170260P1	CHEMICAL OLD	N	AR	LUBRICATING GREASE USED ON BEARINGS.
87	46–302163P1	MOTOR MOUNT	2	2	AMX 4 MOTOR MOUNT FOR MAIN DRIVE
88	46–302166P1	INSULATOR OL	2	1	AMX 4 BATTERY INSULATOR FOR BOTTOM
89	46–302166P2	INSULATOR OL	2	1	AMX 4 BATTERY INSULATOR FOR TOP
90	46–150917P1	TY–RAP OLD	2	1	NYLON TY–RAP W/MARKINGS (1)
91	46–150917P2	TY–RAP OLD	2	1	2 (MARK) T&B TY–24–M–0 BLK OR EQ.
92	46–150917P5	TY–RAP OLD	2	1	5 (MARK) T&B TY–24–M–0 BLK OR EQ.
93	46–150917P6	TY–RAP OLD	2	1	6 (MARK) T&B TY–24–M–0 BLK OR EQ.
94	46–315019P1	LABEL	2	1	
95	1000904P171	WASHER OLD	2	2	ID 0.266, OD 0.5, THK .032, F70B5A
96	46–208758P2	TY–RAP OLD	2	3	5.5" X .140" SELF–LOCKING CABLE TIE.
97	46–303027P2	SWITCH BRKT	N	1	AMX 4 BASE – SPRING BRACKET
98	46–208935P8	NUT OLD	2	2	1/4–20, 7/16" HEX X 3/16 THK, BRASS
99	46–170686P2	ADHESIVE OLD	2	AR	LOCTITE 242, 10CC
100	46–170015P19	SCREW	2	8	6–32 X 0.375 LG BIND HD STL EXT TOOTH
101	46–170015P21	SCREW	2	6	10–32 X 0.625 LG BIND HD STL EXT TOOTH
102	46–208561P2	SCREW OLD	2	2	1/2–13 X 1.000 LG HEX HD STL
103	46–220205P4	WASHER OLD	2	2	ID 0.500 OD 1.25 THK 0.0781

HORIZONTAL ARM ASSEMBLY, 46–302156G1, AMX3A2



HORIZONTAL ARM ASSEMBLY, 46–302156G1, AMX3A2



HORIZONTAL ARM ASSEMBLY, 46–302156G1, AMX3A2
46–302156BOM1 REV 10

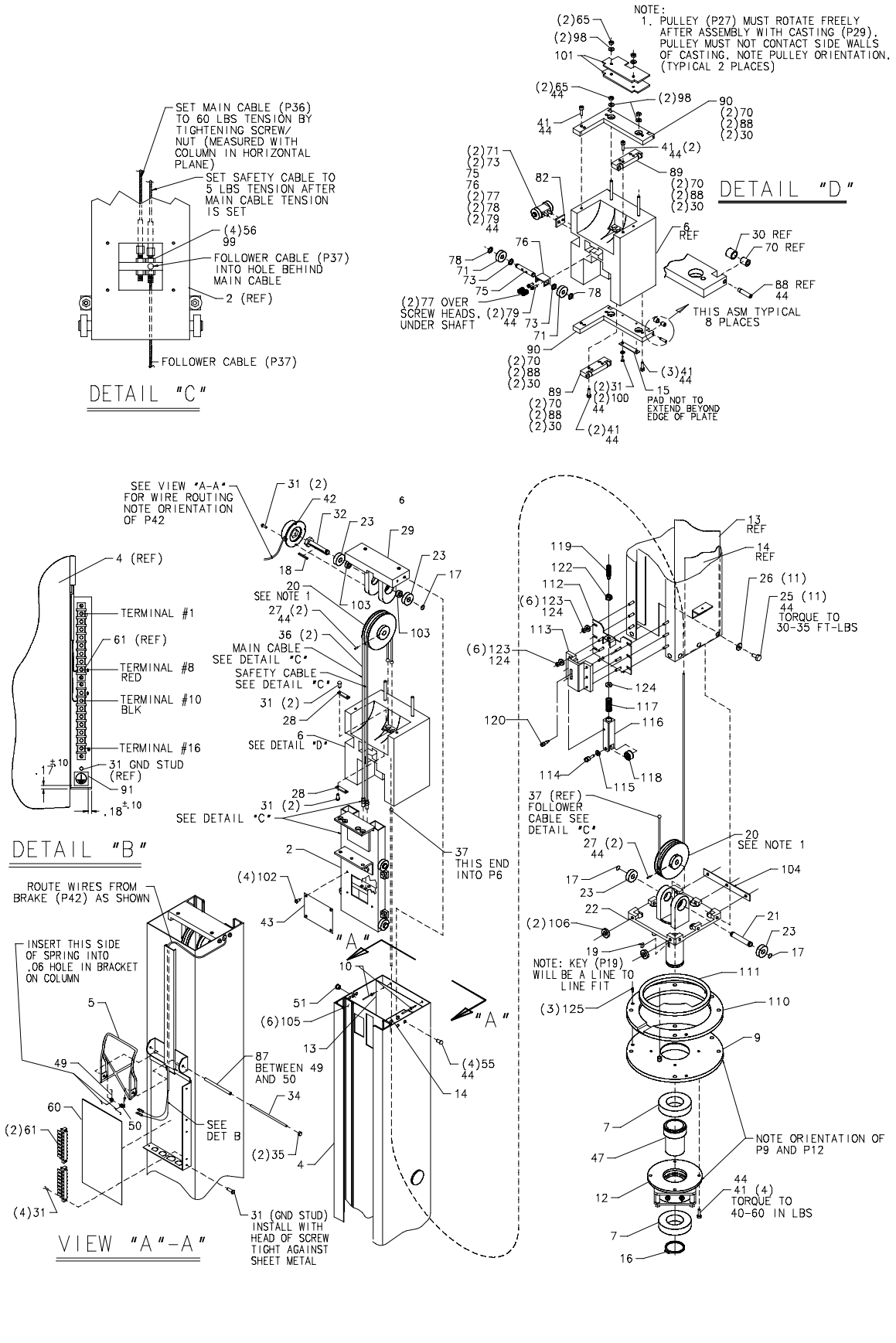
Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–302183P1	INNER ARM	N	1	AMX 4 INNER ARM MACHINING
3	46–302185P1	OUTER ARM	2	1	AMX 4 OUTER TUBE MACHINING
4	46–270324P2	WEAR STRIP	2	1	
5	46–270325P1	WEAR STRIP	2	4	
6	46–220277P8	RETAINING RI	2	4	EXT RADIAL MOUNT 0.375 SHAFT DIA
7	46–270328P1	BAR	2	1	
8	46–139468P2	BEARING OLD	2	4	ID 0.3937 OD 1.1811 WIDTH 0.3543
9	46–270324P1	WEAR STRIP	2	1	
10	46–208580P16	CAM FOLLOWER	2	4	ROLLER DIA 0.625 ROLLER WIDTH 0.406
16	46–270851P1	BRG SPACER	2	2	
17	46–270851P2	BRG SPACER	2	2	
18	46–136282P93	BEARING OLD	2	2	ID 0.3125” OD 0.6882” WIDTH 0.2500”
19	46–302399P1	BUMPER OLD	2	2	AMX 4 HORZ ARM MID TUBE
20	46–302237G1	BRAKE	2	1	AMX 4 HORIZONTAL ARM
21	46–302184P1	CENTER ARM	N	1	AMX 4 CENTER ARM MACHINING
22	46–270329P1	BAR	2	1	
25	46–302133P1	MTG BLOCK	2	1	AMX4 HORZ ARM CHAIN/CABLE ATTACH-MENT
26	46–302136P1	CHAIN SHAFT	2	1	AMX 4 HORZ ARM SPROCKET/CHAIN SHAFT
27	46–136282P76	BEARING OLD	2	1	ID 0.3750” OD 0.8750” WIDTH 0.2812”
30	46–170498P31	SCREW OLD	2	16	
31	1000904P171	WASHER OLD	2	4	ID 0.266, OD 0.5, THK .032, F70B5A
33	1000904P516	WASHER OLD	N	1	.377 1D, .625 0D, .015 THK
35	46–302132P1	PULLEY CABLE	2	1	AMX 4 HORZ ARM
36	46–170498P107	SCREW OLD	2	3	
38	46–208562P1	SCREW OLD	2	5	
39	46–302130P1	PULLEY SHAFT	2	1	AMX 4 HORZ ARM
45	46–170686P3	ADHESIVE OLD	2	AR	LOCTITE 242, 50CC
46	46–279011P1	BRACKET	2	1	AMX 4 HORZ ARM CONNECTOR
47	46–302168P1	ANCHOR	2	1	AMX 4 HORZ ARM CABLE ANCHOR
48	46–302131P1	SPROCKET	N	1	AMX 4 HORZ ARM
49	46–116981P89	CHAIN OLD	2	1	NO. 25 013.25 LG WITH 2 CONN LINKS
50	46–170685P1	ADHESIVE OLD	2	AR	LOCTITE 609 RETAINING COMPOUND. 50ML
51	46–220312P1	ADHESIVE OLD	2	AR	LOCTITE SUPERBONDER 416,
56	46–303033P1	NUT PLATE	N	1	AMX 4 HORIZONTAL ARM
57	46–279078G1	CABLE ASSY	2	1	FOR AMX 4 HORZ. ARM
58	46–208713P2	CLAMP OLD	2	1	CABLE OD 0.1875”
59	46–208697P25	BUSHING OLD	2	1	HEYCO PART NO.1140 SR–5M–3 BLACK
60	12–297	WASHER OLD	2	3	ID 0.140 OD 0.312 THK .032 STL
61	46–220181P3	WASHER OLD	2	3	#6 SCREW SIZE (0.138), STEEL, ZN PLT

HORIZONTAL ARM ASSEMBLY, 46–302156G1, AMX3A2

46–302156BOM1 REV 10

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
62	46–208949P1	NUT OLD	2	4	001/4–28 .438 HEX X .219 THK F70B5A
63	46–220181P7	WASHER OLD	2	4	SCREW SIZE 1/4 (0.250) STL
64	46–170498P14	SCREW OLD	2	8	
65	46–208562P3	SCREW OLD	2	6	
66	46–279098P1	PIN OLD	2	1	AMX 4 HORZ ARM HORZ LOCK
67	46–279099P1	SPRING OLD	2	1	OD 0.609 WIRE DIA .035 MAX LB
69	2123249	PIN	N	1	AMX–4 DELRIN LATCH PIN
70	46–302319P1	MTG PLATE	N	1	AMX 4 UPPER LATCH MOUNTING PLATE
71	46–279401P1	MECHANICAL/M	2	12	HORIZONTAL ARM SHIM .008 THICK BRASS
72	46–170260P1	CHEMICAL OLD	N	AR	LUBRICATING GREASE USED ON BEARINGS.
73	1000904P508	WASHER OLD	2	1	ID .312 OD .625 THK .032
74	46–303032P1	WEAR BLOCK	2	1	AMX4 HORIZONTAL ARM
75	46–279401P2	MECHANICAL/M	2	2	HORIZONTAL ARM .004 THICK SS SHIM
76	46–170498P32	SCREW OLD	2	2	
78	46–302134P1	PULLEY	N	1	AMX 4 HORZ ARM
79	46–302120P1	PULLY BAR	2	1	AMX 4 HORZ ARM PULLEY/BRAKE MTG BAR
80	46–302155P1	CABLE BAR	2	1	AMX 4 HORZ ARM CABLE SUPPORT OUTER A
81	46–170012P36	NUT OLD	2	1	6–32 HEX 5/16 NUT THK 7/64, KEPS
82	46–208563P36	SCREW OLD	2	1	
83	46–302605P1	MTG BLOCK	N	8	AMX 4 HORZ ARM SIDE BRG BLOCKS
84	46–270325P2	WEAR STRIP	2	4	
85	46–286025P1	SPACER OLD	2	8	SPACER .343 ID X .450 OD X .375 LG
86	46–220410P1	BEARING OLD	2	8	BORE 0.1883 OD 0.3473 WIDTH 0.375
87	46–170020P68	PIN OLD	N	8	NOMINAL DIA 0.187 X 0.625 LG STD
88	46–182691P102	RATING PLATE	2	1	S–00
89	46–136380P15	WASHER OLD	2	2	ID 1.005 OD 1.77 THK .0642
90	46–270923P1	DISC	2	1	AMX 4 BRK DISC
91	46–270913P2	MTG PLATE	2	1	
92	46–136356P18	WASHER OLD	2	3	1” 1.01 O.D. 1.625+–.01,MATL
93	46–270923P2	DISC	2	1	
94	46–136353P109	SPRING OLD	2	2	OD 0.300 WIRE DIA 0.045 MUSIC WIRE
95	46–270917P1	COVER	2	1	AMX–4 WRIST ACTION COVER
97	46–163294P1	WASHER OLD	2	8	ID 0.255 OD 0.421 THK .060
98	46–279040P1	SPRING COVER	2	2	
99	46–270921P1	BAR	2	1	AMX–4 DETENT BEARING SHAFT
100	46–136282P51	BEARING OLD	1	1	ID 0.1250” OD 0.3750” WIDTH 0.1562”
101	46–208560P36	SCREW OLD	2	4	
102	46–170498P103	SCREW OLD	2	2	
104	46–316292P2	LOCTITE	N	AR	LOCTITE STRUCTURAL ADHESIVE
105	46–316293P1	LOCTITE	N	AR	LOCTITE SOLVENTLESS PRIMER
106	46–316197P1	MAGNET	N	1	MAGNET USED FOR AMX–4 LATCH WITH
107	2123248	LATCH EAR	N	1	AMX–4 LATCH BRACKET FOR HALL EFFECT
108	2123248–2	PART	N	1	AMX–4 LATCH BRACKET FOR HALL EFFECT

76” COLUMN ASSEMBLY, 2174198 & 70” COLUMN ASSEMBLY, 2174198–2


NOTE:
1. PULLEY (P27) MUST ROTATE FREELY AFTER ASSEMBLY WITH CASTING (P29). PULLEY MUST NOT CONTACT SIDE WALLS OF CASTING. NOTE PULLEY ORIENTATION. (TYPICAL 2 PLACES)
SET MAIN CABLE (P36) TO 60 LBS TENSION BY TIGHTENING SCREW/ NUT (MEASURED WITH COLUMN IN HORIZONTAL PLANE)
SET SAFETY CABLE TO 5 LBS TENSION AFTER MAIN CABLE TENSION IS SET
FOLLOWER CABLE (P37) INTO HOLE BEHIND MAIN CABLE
FOLLOWER CABLE (P37)
DETAIL "C"
DETAIL "D"
THIS ASM TYPICAL 8 PLACES
(2)77 OVER SCREW HEADS, (2)79 UNDER SHAFT
PAD NOT TO EXTEND BEYOND EDGE OF PLATE
SEE VIEW "A-A" FOR WIRE ROUTING NOTE ORIENTATION OF P42
MAIN CABLE SEE DETAIL "C"
SAFETY CABLE SEE DETAIL "C"
SEE DETAIL "D"
SEE DETAIL "C"
SEE NOTE 1
37 THIS END INTO P6
DETAIL "B"
TERMINAL #1
TERMINAL #8 RED
TERMINAL #10 BLK
TERMINAL #16
31 GND STUD (REF)
ROUTE WIRES FROM BRAKE (P42) AS SHOWN
INSERT THIS SIDE OF SPRING INTO .06 HOLE IN BRACKET ON COLUMN
87 BETWEEN 49 AND 50
SEE DET B
31 (GND STUD) INSTALL WITH HEAD OF SCREW TIGHT AGAINST SHEET METAL
VIEW "A"-A"
37 (REF) FOLLOWER CABLE SEE DETAIL "C"
NOTE: KEY (P19) WILL BE A LINE TO LINE FIT
TORQUE TO 30-35 FT-LBS
NOTE ORIENTATION OF P9 AND P12
41 (4) TORQUE TO 40-60 IN LBS

76" COLUMN ASSEMBLY, 2174198 & 70" COLUMN ASSEMBLY, 2174198–2
2174198BOM REV 0

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–270306G3	CARRIAGE ASY	1	1	FOR 2154908 COLUMN
4	2154908–2	COLUMN ASM	2	1	FOR 2174198.
	2156174–2	COLUMN ASM	2	1	FOR 2174198–2.
5	46–302018P1	APRON HGR	2	1	AMX 4 VERTICAL COLUMN APRON HANGER
6	46–270284G1	CTW CAST	N	1	AMX 4 – LEAD COUNTERWEIGHT CASTING
7	46–136282P87	BEARING OLD	2	2	ID 1.7717" OD 3.3465" WIDTH 0.7480"
9	2170557	AMX4+ DETENT	2	1	AMX4+ BEARING PLATE
10	46–220187P4	RIVET OLD	2	2	DIA .125 HOLE .126–.130 –.275 LG
12	46–302017P1	MECHANICAL/M	2	1	AMX 4 ROTATIONAL BRAKE
13	46–286951P1	WEAR STRIP	2	1	6.62 WIDE X 67 LG. FOR 2174198.
	46–302424P1	WEAR STRIP	2	1	6.62 WIDE X 61 LG. FOR 2174198–2.
14	46–286952P1	WEAR STRIP	2	1	5.00 WIDE X 67 LG. FOR 2174198.
	46–302425P1	WEAR STRIP	2	1	5.00 WIDE X 61 LG. FOR 2174198–2.
15	46–302125P1	MECHANICAL/M	2	1	AMX 4 RUBBER PAD FOR UNDERSIDE
16	46–220179P31	RETAINING RI	2	1	EXT AXIAL MOUNT 1.772 SHAFT DIA
17	46–220179P11	RETAINING RI	2	3	EXT AXIAL MOUNT 0.469 SHAFT DIA
18	2118044	KEY	2	1	KEY 1.20 LONG X .125 SQ. B4A2C4
19	46–302025P1	KEY OLD	2	1	AMX 4 ROTATIONAL BRAKE KEY
20	46–270280P1	PULLEY	2	2	PULLEY
21	46–286993P1	SHAFT OLD	N	1	AMX 4 LOWER PULLEY SHAFT
22	46–286992P1	COL BASE	N	1	AMX 4 LOWER PULLEY MOUNT FOR
23	46–136282P88	BEARING OLD	2	4	ID 0.4724" OD 1.2598" WIDTH 0.3937"
25	46–208912P7	SCREW OLD	N	11	SCREW
26	1000904P153	WASHER OLD	2	11	ID 0.4060 OD 0.7500 THK .0598
27	46–208563P34	SCREW OLD	2	4	6–32 X 0.375 LG HEX SOC CUP PT
28	46–270289P1	RET CLIP	2	2	RETAINER CLIP
29	46–286994P1	PULLEY MOUNT	2	1	AMX 4 UPPER SUPPORT FOR PULLEY AND
30	46–286025P1	SPACER OLD	2	8	SPACER .343 ID X .450 OD X .375 LG
31	46–208734P15	SCREW OLD	2	13	6–32 X 0.500 LG HEX WASHER
32	46–302656P1	BAR	2	1	AMX 4 UPPER PULLEY SHAFT
34	46–270317P1	BAR	2	1	BAR .1875 DIA X 5.18 LG
35	46–279187P1	PUSH ON RING	2	2	SHAFT DIA .184/.192 OD .444
36	46–270509P1	CABLE OLD	2	2	7 X 19 X 68.44 LG STL. FOR 2174198
	46–270509P2	CABLE OLD	2	2	7 X 19 X 62.19 LG STL. FOR 2174198–2.
37	46–270508P1	CABLE OLD	2	1	7 X 19 X 65.27 LG STL. FOR 2174198.
	46–270508P2	CABLE OLD	2	1	7 X 19 X 59.27 LG STL. FOR 2174198–2.
41	46–170498P184	SCREW OLD	2	12	10–32 X 0.75 LG INTERNAL SOCKET HD
42	46–302609P1	BRAKE	2	1	AMX 4 VERTICAL BRAKE STATIC TORQUE
43	46–270507P1	COVER PLATE	2	1	COVER PLATE
44	46–170686P2	ADHESIVE OLD	2	AR	LOCTITE 242, 10CC
47	46–302016P1	SLEEVE	2	1	AMX 4 BEARING SPACER FOR LOWER BRAKE
49	46–270984P1	SPRING OLD	2	1	OD 0.304 WIRE DIA .035 NO.COILS 7.75
50	46–270984P2	SPRING OLD	2	1	OD 0.304 WIRE DIA .035 NO.COILS 7.75
51	46–208695P13	BUSHING OLD	2	1	HEYCO PART NO.2043 SB–437–5 BLACK

76" COLUMN ASSEMBLY, 2174198 & 70" COLUMN ASSEMBLY, 2174198–2
2174198BOM REV 0

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
55	46–170024P8	SCREW	2	4	10–32 SLOTTED HEAD
56	46–208949P1	NUT OLD	2	4	001/4–28 .438 HEX X .219 THK F70B5A
60	46–279094P1	INSULATOR OL	2	1	COLUMN JUNCTION BOX INSULATOR
61	403B335P9	TERMINAL	2	2	08 POSITION TERMINAL STRIP, 20 AMP,
65	46–170012P40	NUT OLD	2	4	1/4–20 HEX 7/16 NUT THK 3/16
70	46–220410P1	BEARING OLD	2	8	BORE 0.1883 OD 0.3473 WIDTH 0.375
71	46–136282P45	BEARING OLD	2	4	ID 0.3937" OD 1.1811" WIDTH 0.3543"
73	1000904P507	WASHER OLD	2	4	ID 0.422 OD 0.625 THK .040
75	46–302015P1	BAR	2	2	AMX 4 CTW SHAFT FOR FRONT AND SIDE
76	46–302019P1	CUP	N	2	AMX 4 MTG CUP FOR FRONT AND SIDE
77	46–136353P113	SPRING OLD	2	4	OD 0.420 WIRE DIA 0.055 MUSIC WIRE
78	46–220179P9	RETAINING RI	2	4	EXT AXIAL MOUNT 0.394 SHAFT DIA
79	46–170498P31	SCREW OLD	2	4	10–32 X 0.375 LG HEX SOC HD STL
82	46–302020P1	SPACER OLD	N	1	AMX 4 SPACER FOR SIDE BEARING CUP
87	46–286278P1	SPACER OLD	2	1	SPACER
88	46–286950P1	SCR SPECIAL	2	8	SCR SPECIAL
89	46–286949P1	PLATE BRG	2	2	PLATE BRG
90	46–286948P1	RETAINER BRG	2	2	RETAINER BRG
91	46–271110P2	LABEL	2	1	LABEL
98	1000904P446	WASHER OLD	2	4	ID 0.266, OD 0.68, THK .05, B7A34C
99	46–170702P1	ADHESIVE OLD	2	AR	LOCTITE 635, 50CC BOTTLE
100	12–244	WASHER OLD	2	2	ID 0.1495, OD 0.438, THK .051, BRASS
101	46–279784P1	MECHANICAL/M	2	2	COUNTERWEIGHT SHIM PLATE
102	46–170015P10	SCREW	2	4	6–32 X 1/4 LG BIND HD STL EXT TOOTH
103	2117065	SPACER OLD	2	2	SPACER AMX4 COLM UPPER PULLEY ASM
104	2156375	COLUMN SPACE	2	1	SPACER TO FIT LARGER COLUMN SHELL
105	2156373	WEAR STRIP	2	6	WEAR STRIP FOR COLUMN. FOR 2174198.
	2156373–2	WEAR STRIP	2	6	WEAR STRIP FOR COLUMN. FOR 2174198–2.
106	46–140184P1	SPACER OLD	2	2	SPACER
110	2167444	DETENT PLATE	2	1	AMX4+ 270 ROTATION DETENT PLATE
111	2167070	STOP DISK	2	1	AMX4+ 270 STOP DISK
112	2170375	DETENT BACKI	N	1	COLUMN/DETENT MOUNTING PLATE
113	2170376	AMX4+ DETENT	N	1	AMX4+ DETENT PLASTIC GUIDE
114	46–170498P11	SCREW OLD	2	1	1/4–20 X 1.000 LG HEX SOC HD STL
115	46–220181P7	WASHER OLD	2	1	SCREW SIZE 1/4 (0.250) STL
116	2170377	AMX4+ DETENT	N	1	AMX4+ BEARING MOUNT
117	46–136353P137	SPRING OLD	N	1	SPRING – RATE LBS/IN 108
119	46–230198P8	SCREW OLD	N	1	SCREW
120	46–170498P77	SCREW OLD	2	1	SHLD DIA 0.2495 X SHLD LG 0.5005 THD
122	46–208941P10	NUT OLD	2	1	001/4–20 .438 HEX X .186 THK
123	46–170012P39	NUT OLD	2	12	10–32, 3/8" HEX KEPS NUT, 1/8" THICK
124	12–276	WASHER OLD	2	13	ID 0.2040 OD 0.5630 THK .0478
125	46–170498P44	SCREW OLD	2	3	1/4–20 X 0.375 LG HEX SOC HD STL

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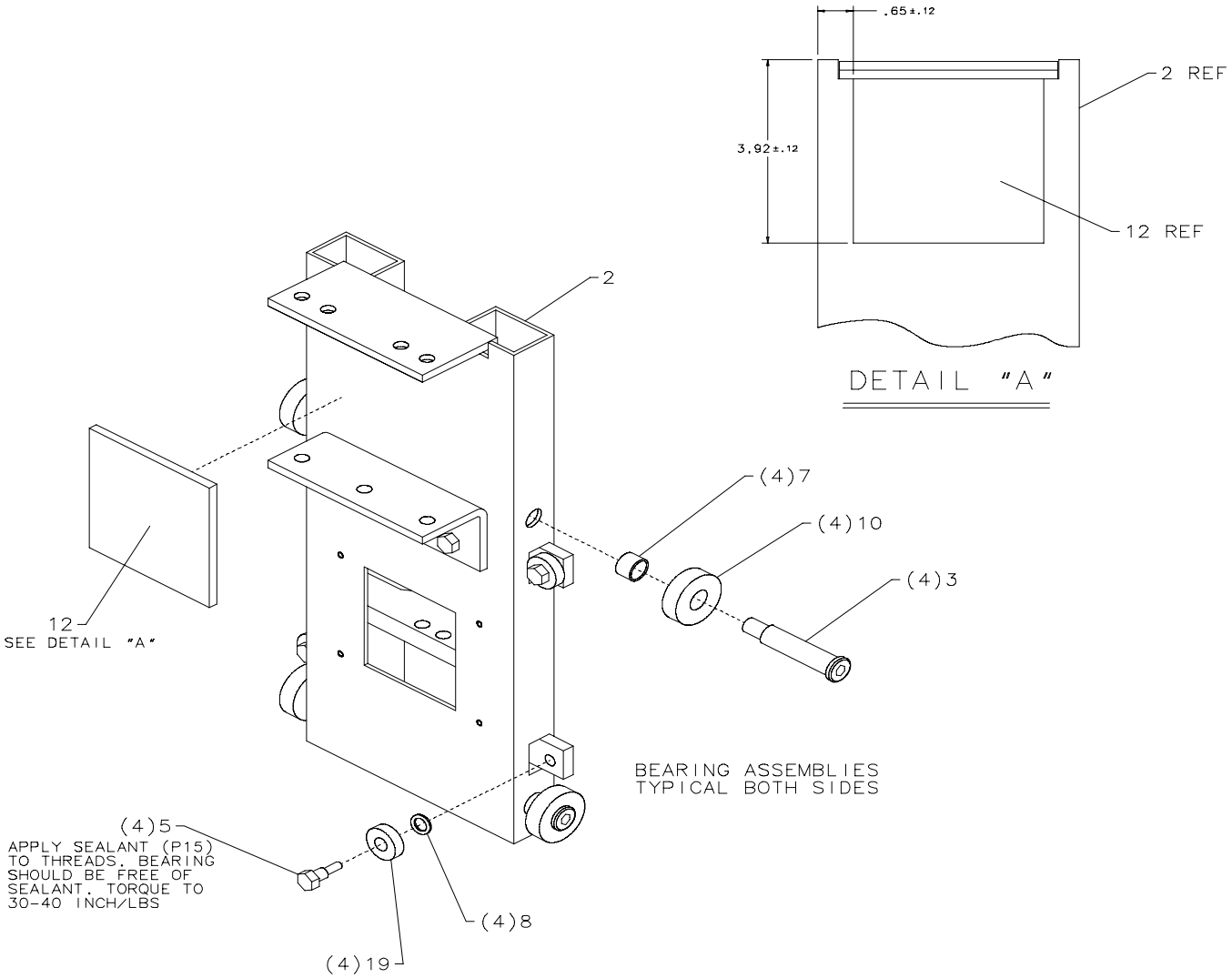
CARRIAGE ASSEMBLY, 46–270306G3



46–270306BOM3 **REV 0**

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	2154918	CARRIAGE ASS	2	1	CARRIAGE ASSEMBLY
5	46–270311P1	TH SHLD BOLT	2	4	
8	1000904P124	WASHER OLD	2	8	ID 0.196 OD 0.355 THK .062
9	46–139468P5	BEARING OLD	2	4	ID 0.2500 OD 0.7500 WIDTH 0.2188
10	46–139468P20	BEARING OLD	2	4	ID 0.3937 OD 1.1811 WIDTH 0.3543
12	46–270789P1	RBR BUMPER	2	1	
15	46–170688P1	ADHESIVE OLD	2	AR	LOCTITE 290, 50CC BOTTLE
16	2156374	SHLD BOLT	2	4	AMX COLUMN CARRIAGE AXLE BOLT
17	1000274P477	SPACER OLD	2	4	

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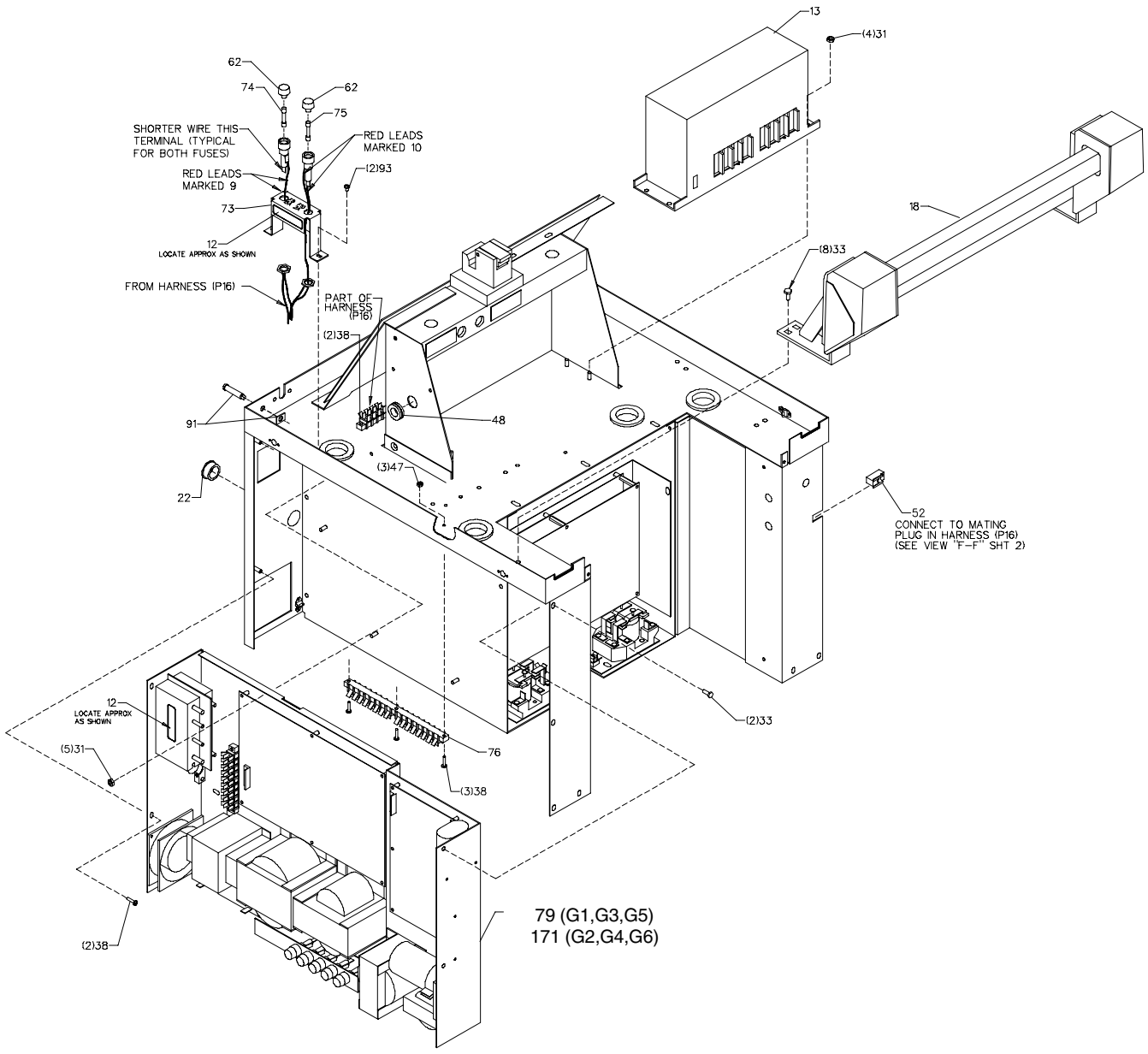
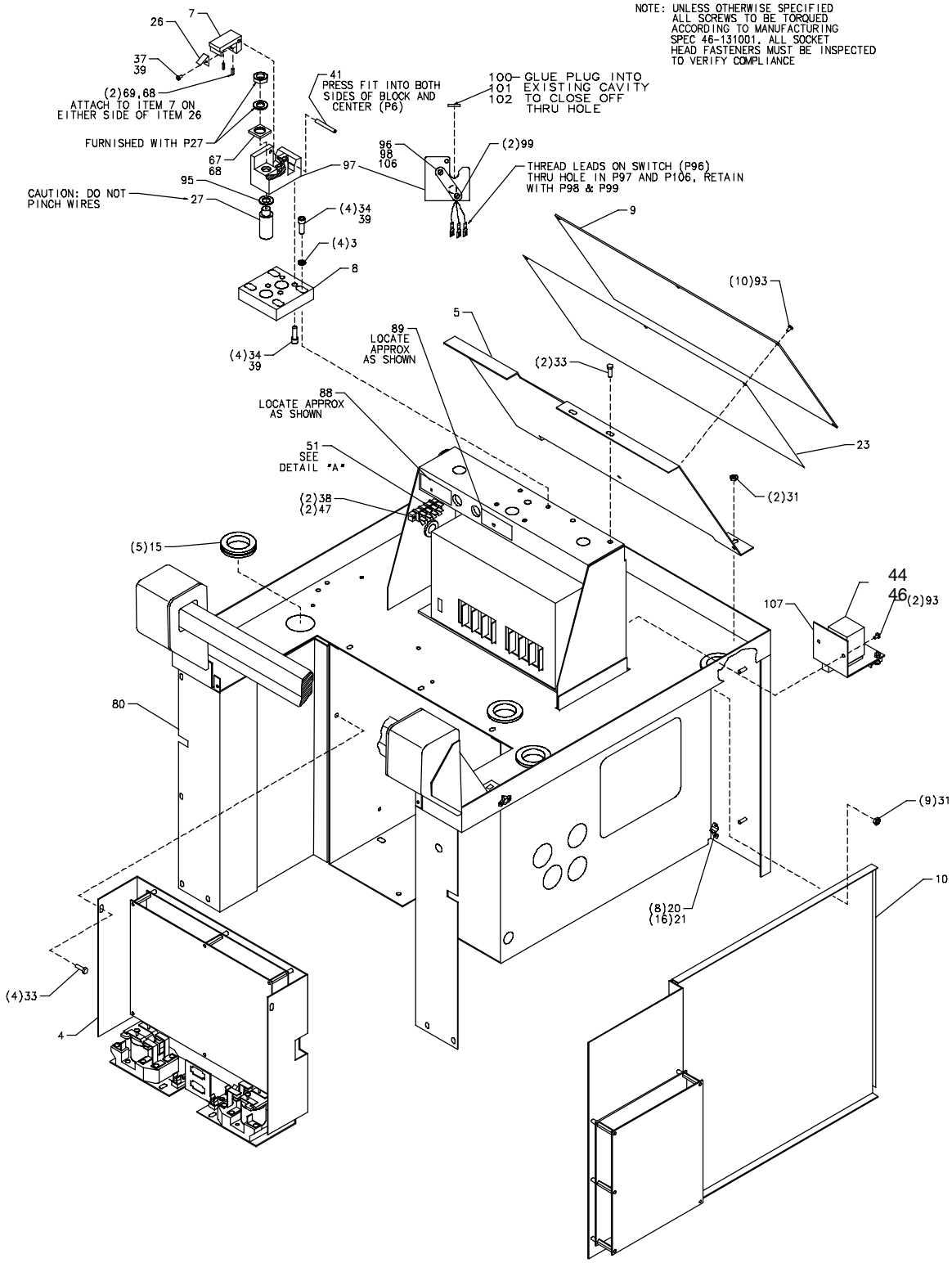
AMX–4+ GENERATOR ASSEMBLY, 46–315159G7/8

AMX–4+ GENERATOR ASSEMBLY, 46–315159G7, AMX1 (FOR 2169360, –2, –3, –4, –7 –8, –9, –10)
AMX–4+ GENERATOR ASSEMBLY, 46–315159G8, AMX1 (FOR 2169360–5, –6)



AMX–4+ GENERATOR ASSEMBLY, 46–315159G7, AMX1 (FOR 2169360, –2, –3, –4, –7 –8, –9, –10)
AMX–4+ GENERATOR ASSEMBLY, 46–315159G8, AMX1 (FOR 2169360–5, –6)



46–315159BOM8 **REV 4**

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
3	46–163294P1	WASHER OLD	2	4	ID 0.255 OD 0.421 THK .060
4	46–315340G1	DRIVE MODULE	2	1	AMX4 DRIVE ELECTRONICS MODULE ASM
5	46–302320P1	MTG PLATE	2	1	CPU BOARD MOUNTING PLATE
7	46–270622P1	LATCH	N	1	AMX 4 HORIZONTAL LATCH MACHINING
8	46–270642P1	SPACER OLD	2	1	AMX 4 HORZ LATCH SPACER
9	46–264974G2	CIRCUIT BD	1	1	AMX4 CONTROLLER BOARD
10	46–303897G2	X–RAY MODULE	1	1	AMX4 XRAY CONTROL MODULE
12	46–279308P1	LABEL	2	2	CAUTION 120V PRESENT AT ALL TIMES
13	2318476	POWER SPLY	1	1	AMX4 POWER SUPPLY (LVLE)
15	46–136394P3	EYELET OLD	N	5	1.500 ID 1.750 HOLE .062 SHEET
16	2116236	HARNESS	2	1	MAIN HARNESS FOR AMX4.
17	46–315373G2	CHARGER MOD	N	1	AMX 4 CHARGER/ROTOR CONTROL MODULE FOR 46–315159G8 ONLY. See page 47
18	46–302276G2	DRIVE HANDLE	2	1	AMX4+ DRIVE HANDLE ASSEMBLY
20	46–220189P3	FASTENER OLD	2	8	STUD RECEIVER .135 HOLE DIA .685 CD
21	46–220187P4	RIVET OLD	2	16	DIA .125 HOLE .126–.130 –.275 LG
22	46–208695P63	BUSHING OLD	2	1	HEYCO PART NO.2140 SB–1000–12
23	46–302321P1	INSULATOR OL	N	1	INSULATOR FOR CPU BOARD
26	46–270736P1	LATCH SPRING	N	1	AMX4 – HORIZ LATCH SPRING
27	46–270985P2	SOLENOID	1	1	110VDC, 45W PUSH–ACTION SOLENOID
28	46–302365P1	CABLE	2	1	RIBBON CABLE ASSEMBLY – 14 COND.
31	46–170012P39	NUT OLD	2	26	10–32, 3/8” HEX KEPS NUT, 1/8” THICK
33	46–221850P3	SCREW OLD	2	16	10–32 X 1/2 LG HEX FLANGE HEAD
34	46–170498P14	SCREW OLD	2	8	1/4–20 X 0.625 LG HEX SOC HD STL
37	46–208560P23	SCREW OLD	2	1	4–40 X 0.250 LG BIND HD STL
38	46–170015P37	SCREW	2	9	6–32 X 0.625 LG BIND HD STL
39	46–170684P2	ADHESIVE OLD	2	AR	LOCTITE 271, 10CC BOTTLE
41	46–208735P89	PIN OLD	1	1	G.E. PART NO. N533P1922, DIA. .187,
44	46–270778P3	RELAY	2	1	24VDC 1P1T 10A@150VDC 50MA COIL
46	46–170054P10	CLAMP OLD	2	2	HOLD–DOWN SPRING FOR RELAYS
47	46–170012P36	NUT OLD	2	5	6–32 HEX 5/16 NUT THK 7/64, KEPS
48	46–220264P29	EYELET OLD	N	1	.56 ID .75 HOLE .06 SHEET 1.00 OD
51	403B335P2	TERMINAL	2	1	04 POSITION TERMINAL STRIP, 20 AMP,
52	46–270988G1	CONNECTOR	2	1	AMX4 CONNECTOR ASM.
53	46–302366P2	CABLE	2	5	RIBBON CABLE ASSEMBLY WITH FERRITE
54	46–208759P1	TY–RAP OLD	2	5	7.81” X .184” SELF–LOCKING CABLE TIE
55	46–170171P4	RUBBER STR	N	0.500	ADHESIVE BACKED, SPONGE RUBBER STRIP
57	46–136325P18	SEMICONDUCTO	2	1	SEMICONDUCTOR:DIODE RECTIFIER 1.2 VO

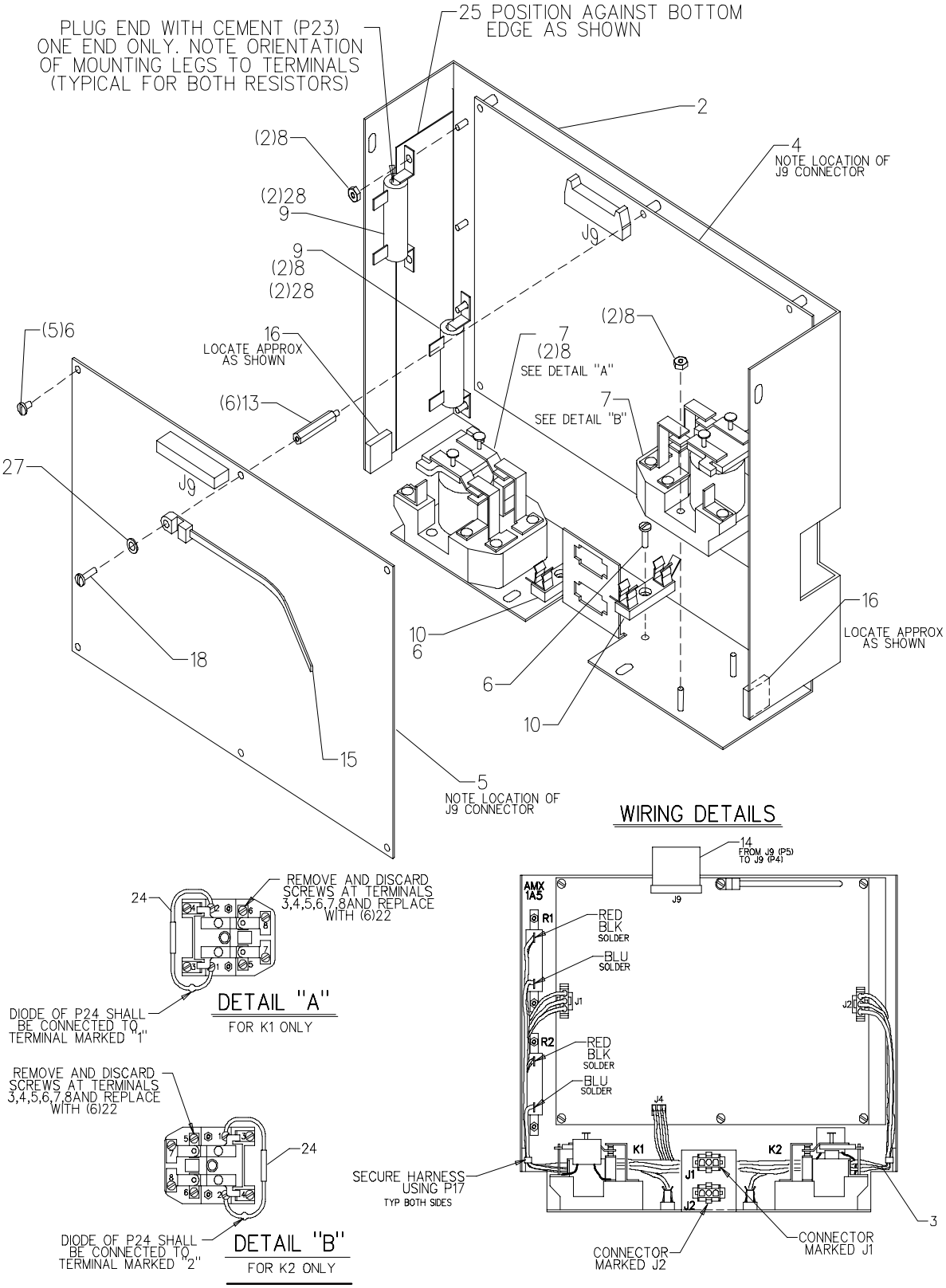
AMX–4+ GENERATOR ASSEMBLY, 46–315159G7, AMX1 (FOR 2169360, –2, –3, –4, –7 –8, –9, –10)
AMX–4+ GENERATOR ASSEMBLY, 46–315159G8, AMX1 (FOR 2169360–5, –6)

46–315159BOM8 REV 4

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
62	46–315759P1	FUSE	2	2	250V/15A 3AG QUICK–CONN TABS UL/CSA
67	46–279508P1	BUMPER OLD	1	1	.88 SQ X .12 THK .62 ID 60 DURO
68	46–220312P1	ADHESIVE OLD	2	AR	LOCTITE SUPERBONDER 416,
69	46–286055P1	STOP BLOCK	N	2	AMX 4 – STOP BLOCK
70	46–208747P1	VIBRATION IS	2	4	CABLE TIE,ADH.BACKED
71	46–208758P2	TY–RAP OLD	2	6	5.5” X .140” SELF–LOCKING CABLE TIE.
73	46–286898P1	FUSE BRACKET	N	1	AMX4 – FUSE BRACKET
74	46–170021P38	FUSE	1	1	015.000A 0250V 3AB NORM UL/
75	46–170021P51	FUSE	2	1	002.000A 0250V 3AG; FAST UL/C
76	403B335P6	TERMINAL	2	1	16 POSITION TERMINAL STRIP, 20 AMP,
78	46–270769P1	SEMICONDUCTO	2	1	600V, 6.0A, SILICON RECTIFIER DIODE.
79	46–315373G1	CHARGER	N	1	AMX4 CHARGER/ROTOR CONTROL MODULE FOR 46–315159G7 ONLY. See Page 47
80	46–315105G2	GEN.WELDMENT	N	1	AMX–4 PLUS GENERATOR WELDMENT
88	46–302047P1	LABEL	N	1	AMX 4 FRENCH/ENGLISH F1
89	46–302048P1	LABEL	N	1	AMX 4 FRENCH/ENGLISH F2
90	46–271110P1	LABEL	2	1	PROTECTIVE EARTH (GROUND)
91	46–221914P4	LAMP	2	1	125V, 1/3W GREEN INDICATOR LIGHT
93	46–170015P19	SCREW	2	19	6–32 X 0.375 LG BIND HD STL
94	12–276	WASHER OLD	2	9	ID 0.2040 OD 0.5630 THK .0478
95	46–140332P1	WASHER OLD	2	1	B8A4B2 0.510ID X 0.760OD X 0.067
96	2173060	CIRCUIT BOAR	1	1	PARK LATCH SENSOR
97	46–270627P2	LATCH MACH	N	1	AMX–4 LATCH BASE; INCLUDES SLOT FOR
98	46–316047P2	COVER	2	1	PROTECTIVE COVER FOR AMX–4 LATCH
99	46–208562P37	SCREW	2	2	SCREW OLD
100	46–316993P1	DISC	N	1	FOR 46–315159G7 ONLY.
103	46–276217P3	LINE FILTER	1	1	FERRITE SPLIT CORE AND CASE FOR
104	46–276217P1	LINE FILTER	1	4	COMBINATION NYLON CASE AND
105	46–297549G2	CABLE, GND	2	1	AMX EMC GROUND STRAP
106	2159756	FLUX CONCENT	2	1	FLUX CONCENTRATOR FOR AMX 4 LATCH
107	2178054	CHASSIS	1	1	AMX4/4+ RELAY ASSEMBLY

DRIVE ELECTRONICS MODULE ASSEMBLY, 46–315340G1, AMX1A5

DRIVE ELECTRONICS MODULE ASSEMBLY, 46–315340G1, AMX1A5

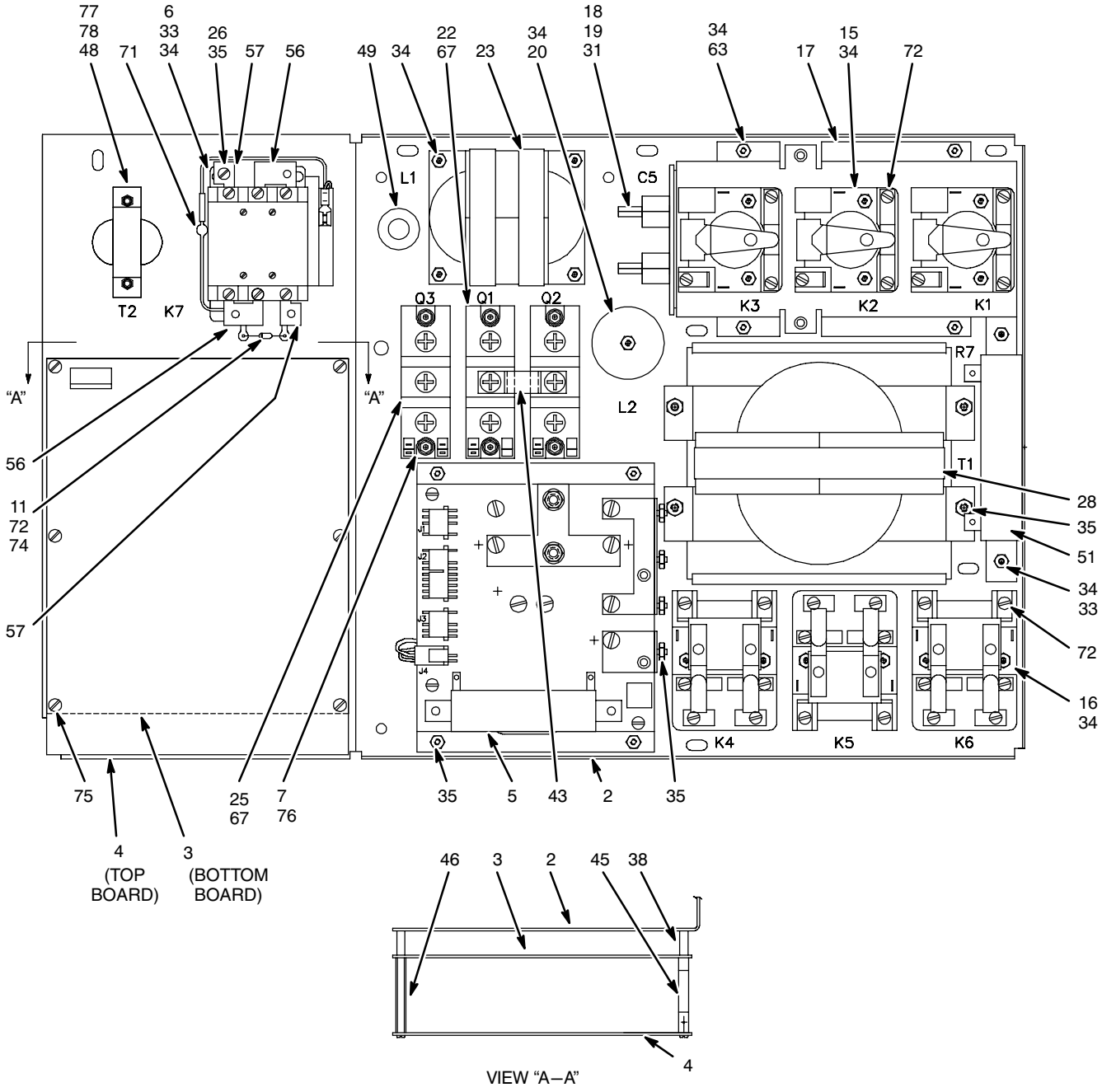


46–315340BOM1 **REV 4**

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–315270P1	MTG PLATE	N	1	AMX 4 DRIVE ELECTRONICS MTG PLATE
3	46–270532G1	HARNESS	2	1	AMX 4 DRIVE ELECTRONICS HARNESS
4	46–232834G1	CIRCUIT BD	2	1	DRIVE CONTROL AMX 5
5	46–232836G2	CIRCUIT BD	2	1	DRIVE POWER AMPLIFIER
6	46–170015P10	SCREW	2	7	6–32 X 0.250 LG BIND HD STL EXT TOOTH
7	46–221305P5	RELAY	2	2	DPDT, 24VDC HEAVY DUTY POWER RELAY.
8	46–170012P36	NUT OLD	2	8	6–32 HEX 5/16 NUT THK 7/64, KEPS
9	46–220295P10	RESISTOR	1	2	RESISTOR 10 OHMS 5 %
10	46–236576P3	FUSE	N	2	1/4X1–1/4 (UL) RECOG.
11	46–315751P1	FUSE	2	2	8A, 250V 3AB FAST–ACTING TYPE FUSE.
13	1001881P84	SPACER OLD	2	6	HEX 0.250 THD EXT 6–32 INT 6–32
14	46–279009P2	RIBBON CABLE	2	1	
15	46–208759P1	TY–RAP OLD	2	1	7.81” X .184” SELF–LOCKING CABLE TIE
16	46–208747P1	VIBRATION IS	2	2	CABLE TIE,ADH.BACKED
17	46–208758P1	TY–RAP OLD	2	2	3.62” X .094” CABLE TIE
18	46–170015P27	SCREW	2	1	6–32 X 0.500 LG BIND HD STL EXT TOOTH
19	2153499	RC FILTER	2	2	AMX 4 RC FILTER
22	46–221850P25	SCREW	N	12	SCREW OLD
23	46–221398P1	ADHESIVE OLD	2	AR	INORGANIC ADHESIVE CEMENT.
24	46–302378G1	DIODE ASM	2	2	AMX 4 – DRIVE ASM
25	46–279094P3	INSULATOR OL	N	1	DRIVE CONTROL R1/R2 INSULATOR
27	12–276	WASHER OLD	2	1	ID 0.2040 OD 0.5630 THK .0478
28	46–220459P3	MECHANICAL/M	2	4	HOLDS HOLLOW CYLINDRICAL RESISTORS

X–RAY CONTROL MODULE ASSEMBLY, 46–303897G2, AMX1A4

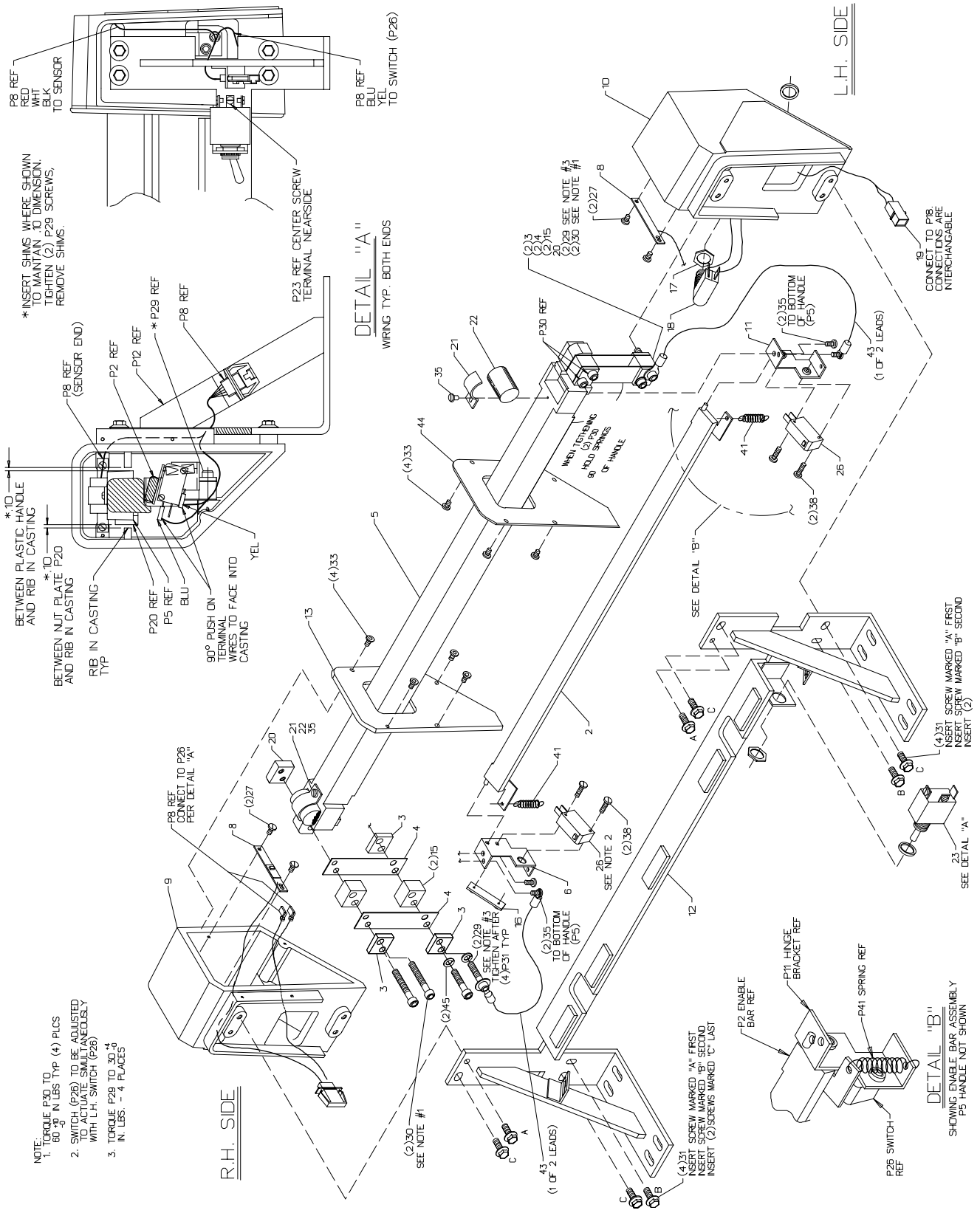
X–RAY CONTROL MODULE ASSEMBLY, 46–303897G2, AMX1A4



46–303897BOM2 REV 1

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–303868P1	MTG PLATE	N	1	
3	46–288764G1	CIRCUIT BD	2	1	1 KHZ DRIVER BOARD
4	46–264986G2	PWB	1	1	FIL KV CONTROL BOARD
5	46–303913G1	CAP MODULE	2	1	AMX 4 – CAPACITOR CIRCUIT BD MODULE
6	46–262695P5	CIRCUIT BREA	2	1	3 POLE CONTACTOR 24VDC COIL
7	46–315415P1	BUSHING	N	6	
11	46–136200P4	TERMINAL	2	2	RING LUG W/ SOLDER TAB, INTERNAL
15	46–184877P2	RELAY	2	3	SPDT, OPEN FRAME POWER RELAY.
16	46–184904P2	RELAY	2	3	25A, 110VDC COIL, DPDT DC PWR RELAY.
17	46–303865P1	BRACKET, CAP	N	1	AMX–4, X–RAY CONTROL MODULE
18	46–170392P4	CLAMP OLD	2	1	WRAPAROUND MOUNTING BRACKET
19	46–208570P4	CAPACITOR	1	1	20UF, 600V SCR COMMUTATION CAPACITOR
20	46–270962G2	CHOKE	2	1	AMX 4 X–RAY CONTROL MODULE
22	46–270895P2	POWER MODULE	2	2	SCR/DIODE POWER MODULE 800V 200A
23	46–154008G10	CHOKE	2	1	AMX 4 X–RAY CONTROL MODULE
25	46–270895P3	POWER MODULE	2	1	SCR/SCR POWER MODULE 600V 200A
26	46–170015P16	SCREW	2	1	
28	46–315236P1	MAGNETICS	2	1	
31	46–208508P17	FISHPAPER	N	1	ADHESIVE BACKED 10.00 IN X 6.50 IN
33	12–244	WASHER OLD	2	5	ID 0.1495, OD 0.438, THK .051, BRASS
34	46–170012P36	NUT OLD	2	26	6–32 HEX 5/16 NUT THK 7/64, KEPS
35	46–170012P39	NUT OLD	2	13	10–32, 3/8” HEX KEPS NUT, 1/8” THICK
38	46–279020P1	SPACER OLD	2	3	
43	46–315151P1	BUSS BAR	N	1	
44	46–303898G1	HARNESS	N	1	AMX–4, X–RAY CONTROL PANEL LEAD DATA
45	46–256109P4	SPACER OLD	2	3	SWIVEL,ROUND,FEMALE/FEMALE,
46	1001881P84	SPACER OLD	2	3	HEX 0.250 THD EXT 6–32 INT 6–32
48	46–152753P2	TRANSFORMR	2	1	PRI VOLTS 48 FREQUENCY HZ 500
49	46–220264P29	EYELET OLD	N	1	.56 ID .75 HOLE .06 SHEET 1.00 OD
51	46–279091P2	RESISTOR	2	1	RESISTOR 20M OHMS 5 %
56	46–250662P2	STRAP	N	2	
57	46–250662P3	STRAP	N	2	
63	46–170015P19	SCREW	2	2	6–32 X 0.375 LG BIND HD STL EXT TOOTH
67	46–170212P1	MECHANICAL/M	2	AR	THERMAL JOINT COMPOUND, 2–OZ JAR
71	46–302285G1	DIODE ASM	2	1	AMX 4 – SAFETY CONTACTOR
72	46–221850P25	SCREW	N	29	SCREW OLD
74	46–136325P18	SEMICONDUCTO	2	1	SEMICONDUCTOR:DIODE RECTIFIER 1.2 VO
75	46–170015P10	SCREW	2	6	6–32 X 0.250 LG BIND HD STL EXT TOOTH
76	46–170012P35	NUT OLD	2	6	6–32, 1/4” HEX KEPS NUT, 3/32 THICK
77	46–208599P2	WASHER OLD	2	2	#6 SCREW SIZE, EXTERNAL TOOTH
78	46–136375P25	SPACER OLD	N	2	1.5” LONG, .25” HEX SPACER.
79	46–208758P2	TY–RAP OLD	2	2	5.5” X .140” SELF–LOCKING CABLE TIE.

DRIVE HANDLE ASSEMBLY, 46–302276G2

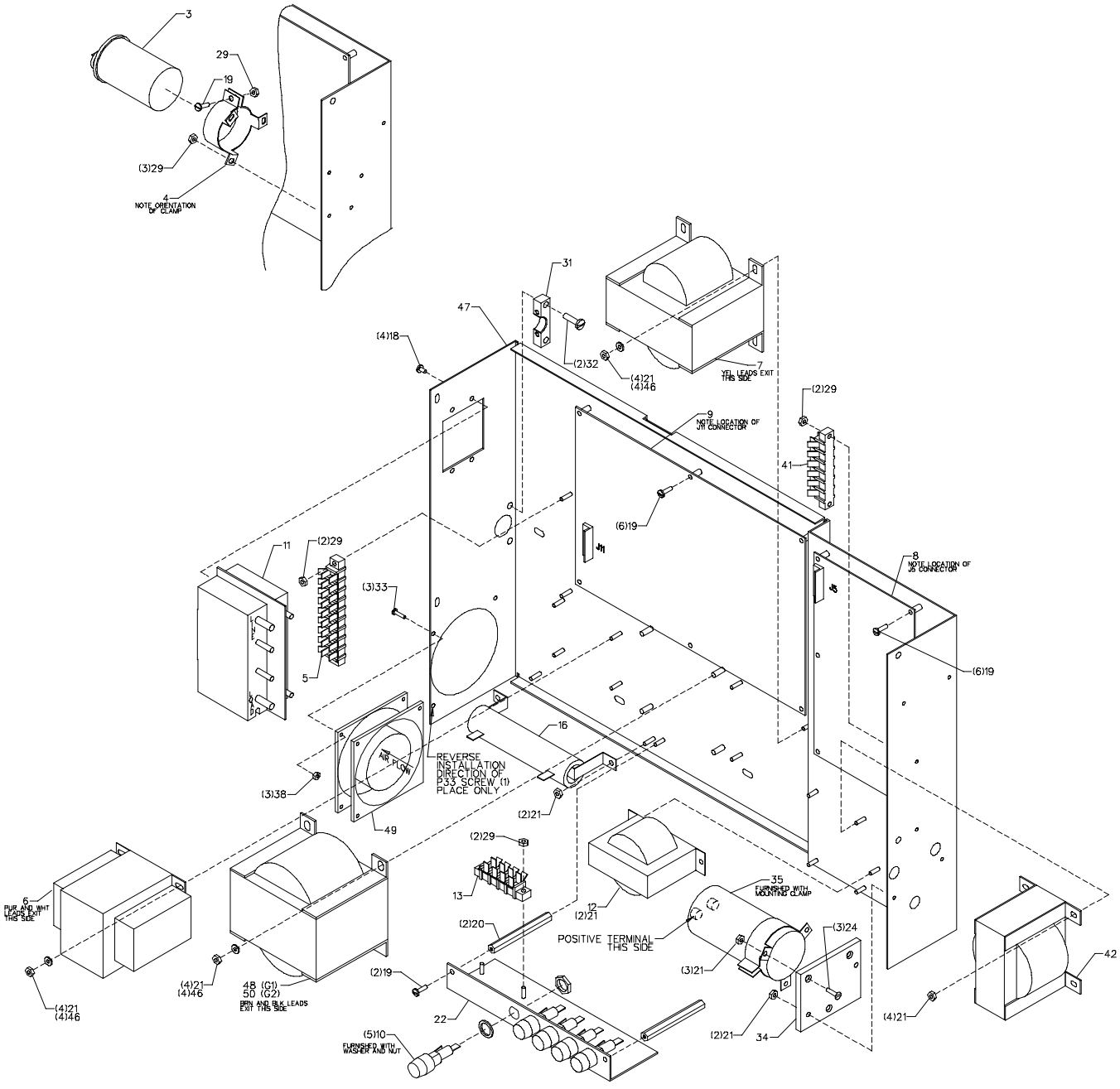


46–302276BOM2 REV 2

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–302275P2	ENABLE BAR	2	1	ENABLE BAR – GEMS LIGHT BLUE
3	46–302314P1	CLAMP PLATE	N	6	AMX 4 DRIVE HANDLE SPRING CLAMP
4	46–302304P1	SPRING	2	4	AMX 4 DRIVE HANDLE – SPRING STEEL
5	46–270270P2	HANDLE	2	1	HANDLE – GEMS LIGHT BLUE
6	46–302263P2	BRACKET	2	1	AMX 4 DRIVE HANDLE – RH BRACKET
8	46–302409G1	SENSOR ASM	2	2	AMX 4 DRIVE HANDLE SENSOR/ENABLE CAB
9	46–302302P2	END MACH RH	2	1	END MACH RH – GRAY # 4
10	46–302303P2	END MACH LH	2	1	END MACH LH – GRAY #4
11	46–302263P1	BRACKET	2	1	AMX4 DRIVE HANDLE – LH BRACKET
12	46–302950P2	HANDLE BRACE	2	1	HANDLE BRACE – GRAY #4
13	46–270514P3	END CAP RH	2	1	END CAP RH – GRAY # 4
15	46–270565P1	SPRING SPACR	2	4	AMX 4 – SPRING SPACER (UPPER)
16	46–302280P1	NUT PLATE	N	1	AMX 4 DRIVE HANDLE – NUT PLATE FOR
17	46–208643P2	NUT OLD	N	1	15/32–32 HEX 9/16 THK 1/8
18	46–279306P1	SWITCH	2	1	SINGLE POLE, 6 AMP
19	46–279865G2	CABLE	2	1	BREAK RELEASE SWITCH ASSEMBLY
20	2179131	NUT PLATE	2	2	AMX4+ DRIVE HANDLE SPRING NUT PLATE
21	46–270905P1	MAGNET CLIP	N	2	AMX 4 – HANDLE MAGNET CLIP
22	46–270425P1	MAGNET	2	2	AINICO VIII
23	46–136343P9	SWITCH	2	1	SPDT, ON–NONE–ON TOGGLE SWITCH.
26	46–136334P54	SWITCH	2	2	SPDT, LOW FORCE, BASIC SWITCH.
27	46–208560P23	SCREW OLD	2	4	4–40 X 0.250 LG BIND HD STL
29	46–170498P12	SCREW OLD	2	4	10–32 X 1.000 LG HEX SOC HD STL
30	46–170498P34	SCREW OLD	2	4	10–32 X 1.250 LG HEX SOC HD STL
31	46–221850P3	SCREW OLD	2	8	10–32 X 1/2 LG HEX FLANGE HD WHIZ–LOCK
33	46–170497P11	SCREW OLD	2	8	4–40 X 0.250 LG HEX SOC BUTTON HD STL
35	46–208901P4	SCREW OLD	N	6	PAN HD TYPE B 4 X 0.375
38	46–208560P59	SCREW OLD	2	4	2–56 X 0.625 LG BIND HD STL
41	46–170490P55	SPRING OLD	2	2	SPRING O.D. .180 WIRE DIA. .020
43	2103355	LEAD DATA	N	1	ESD STRAP LEAD DATA
44	46–270514P4	END CAP RH	2	1	END CAP LH – GRAY #4
45	46–220181P5	WASHER OLD	2	4	#10 (0.190) SCREW, ZINC PLATED STEEL

BATTERY CHARGER & ROTOR CONTROL ASSEMBLY

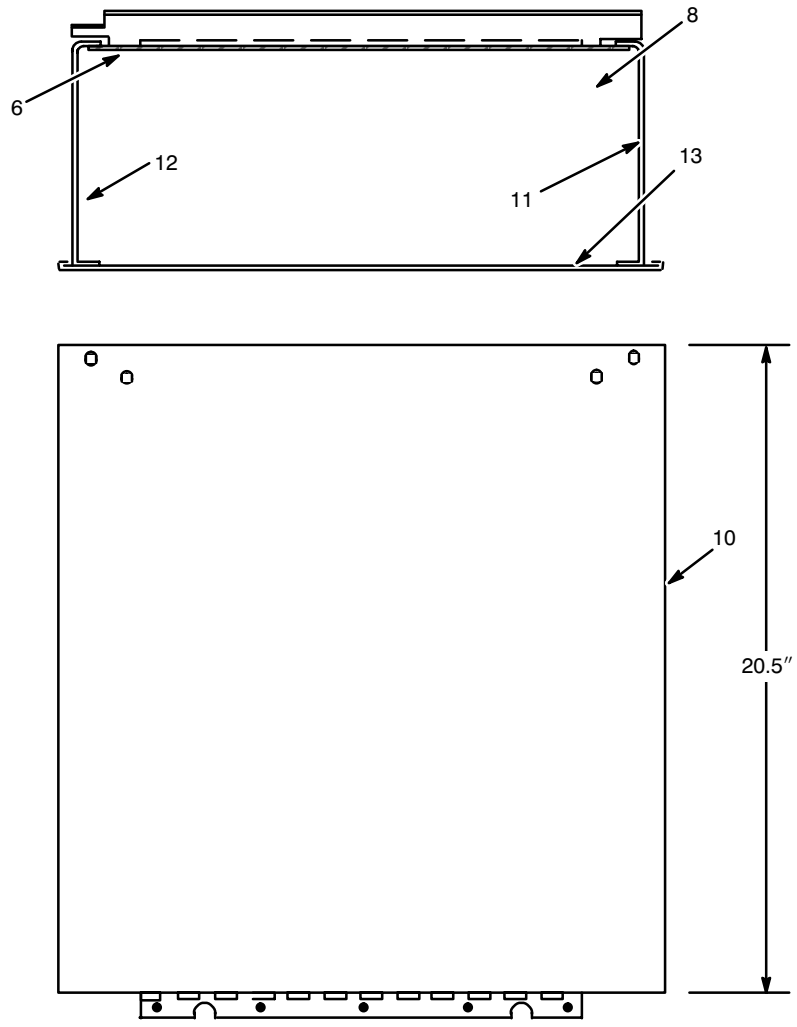
BATTERY CHARGER & ROTOR CONTROL ASSEMBLY, 46–315373G1, AMX1A3 (FOR 46–315159G7)
BATTERY CHARGER & ROTOR CONTROL ASSEMBLY, 46–315373G2, AMX1A3 (FOR 46–315159G8)



BATTERY CHARGER & ROTOR CONTROL ASSEMBLY, 46–315373G1, AMX1A3 (FOR 46–315159G7)
BATTERY CHARGER & ROTOR CONTROL ASSEMBLY, 46–315373G2, AMX1A3 (FOR 46–315159G8)

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
3	46–208568P19	CAPACITOR	2	1	15UF, 240VAC, 60HZ, +/–6% AC CAP.
4	46–208701P4	CLAMP OLD	2	1	WRAPAROUND MOUNTING BRACKET
5	403B335P23	TERMINAL	2	1	09 POSITION TERMINAL STRIP, 20 AMP,
6	46–207111P2	MAGNETICS	2	1	PRI VOLTS 117 FREQ HZ 50/60
7	46–270620P1	XFMR	2	1	PRI VOLTS 110 FREQ 60HZ
8	46–232786G2	CIRCUIT BD	2	1	ROTOR CONTROL AMX 4
9	46–288786G2	PWB	2	1	BATTERY CHARGER (EMC VERSION)
10	46–315759P1	FUSE	2	5	250V/15A 3AG QUICK–CONN TABS UL/CSA
11	46–270687P1	CIRCUIT BREA	2	1	CIRCUIT BREAKER 2–POLE W/TRIP COIL
12	46–279092P1	CHOKE	2	1	12MH 20% 0.2 OHM 5ADC
13	403B335P2	TERMINAL	2	1	04 POSITION TERMINAL STRIP, 20 AMP,
16	46–154083P2	RESISTOR	2	1	RESISTOR 2.5 OHMS 10 %
17	46–270618G1	HARNESS	2	1	AMX 4 60 HZ INVERTER
18	46–170015P19	SCREW	2	4	6–32 X 0.375 LG BIND HD STL EXT TOOTH
19	46–170015P27	SCREW	2	15	6–32 X 0.500 LG BIND HD STL EXT TOOTH
20	507A732P83	SPACER OLD	N	2	HEX 0.312 THD 6–32 LGTH 3.00
21	46–170012P36	NUT OLD	2	23	6–32 HEX 5/16 NUT THK 7/64, KEPS
22	46–279235G1	FUSE BRACKET	N	1	AMX 4 CHARGER/ROTOR CONTROL FUSE
24	46–208908P22	SCREW	2	3	6–32 X 0.500 SLOT FLT HD
25	46–170021P42	FUSE	2	2	010.000A 0250V 3AB NORM UL/
26	46–315751P1	FUSE	2	1	8A, 250V 3AB FAST–ACTING TYPE FUSE.
27	46–170021P51	FUSE	2	1	002.000A 0250V 3AG; FAST UL/C
28	514A146P4	FUSE	2	1	000.500A 0250V FAST UL/C
29	46–170012P35	NUT OLD	2	10	6–32, 1/4” HEX KEPS NUT, 3/32 THICK
30	46–270966G1	HARNESS	2	1	AMX 4 BATT CHRG/ROTOR CONTROL
31	46–270968P1	CLAMP OLD	N	1	
32	46–170015P21	SCREW	2	2	10–32 X 0.625 LG BIND HD STL EXT TOOTH
33	46–170015P43	SCREW	2	3	4–40 X 0.500 LG BIND HD STL EXT TOOTH
34	46–279028P1	INSULATOR OL	N	1	A19B13E GLASTIC GRADE UTS
35	46–170030P78	CAPACITOR	2	1	3100UF, 200VDC, –10/+50%
36	46–208747P1	VIBRATION IS	2	1	CABLE TIE,ADH.BACKED
37	46–208758P1	TY–RAP OLD	2	1	3.62” X .094” CABLE TIE
38	46–170012P34	NUT OLD	2	3	4–40, 1/4” HEX, 3/32 THICK KEPS NUT
39	46–317356P1	RESISTOR	2	1	RESISTOR 27k OHMS 5 %
40	46–136200P4	TERMINAL	2	2	RING LUG W/ SOLDER TAB, INTERNAL
41	403B335P13	TERMINAL	2	1	06 POSITION TERMINAL STRIP, 20 AMP,
42	46–279214P1	MAGNETICS	2	1	10MH 50% .15 OHM 8.0 A.D.C.
43	46–270769P1	SEMICONDUCTO	2	1	600V, 6.0A, SILICON RECTIFIER DIODE.
45	46–208758P2	TY–RAP OLD	2	9	5.5” X .140” SELF–LOCKING CABLE TIE.
46	12–277	WASHER OLD	2	12	ID 0.1770 OD 0.5000 THK .0478
47	46–302039G1	MTG PLATE	N	1	AMX 4 IEC CHARGER
48	46–270995P4	MAGNETICS	2	1	PRI VOLTS 105–132 60HZ 210–264 50HZ (G1 ONLY)
49	46–270688G1	FAN	2	1	AMX 4
50	46–270995P5	MAGNETICS	2	1	PRI VOLTS 90–100 50–60HZ (G2 ONLY)

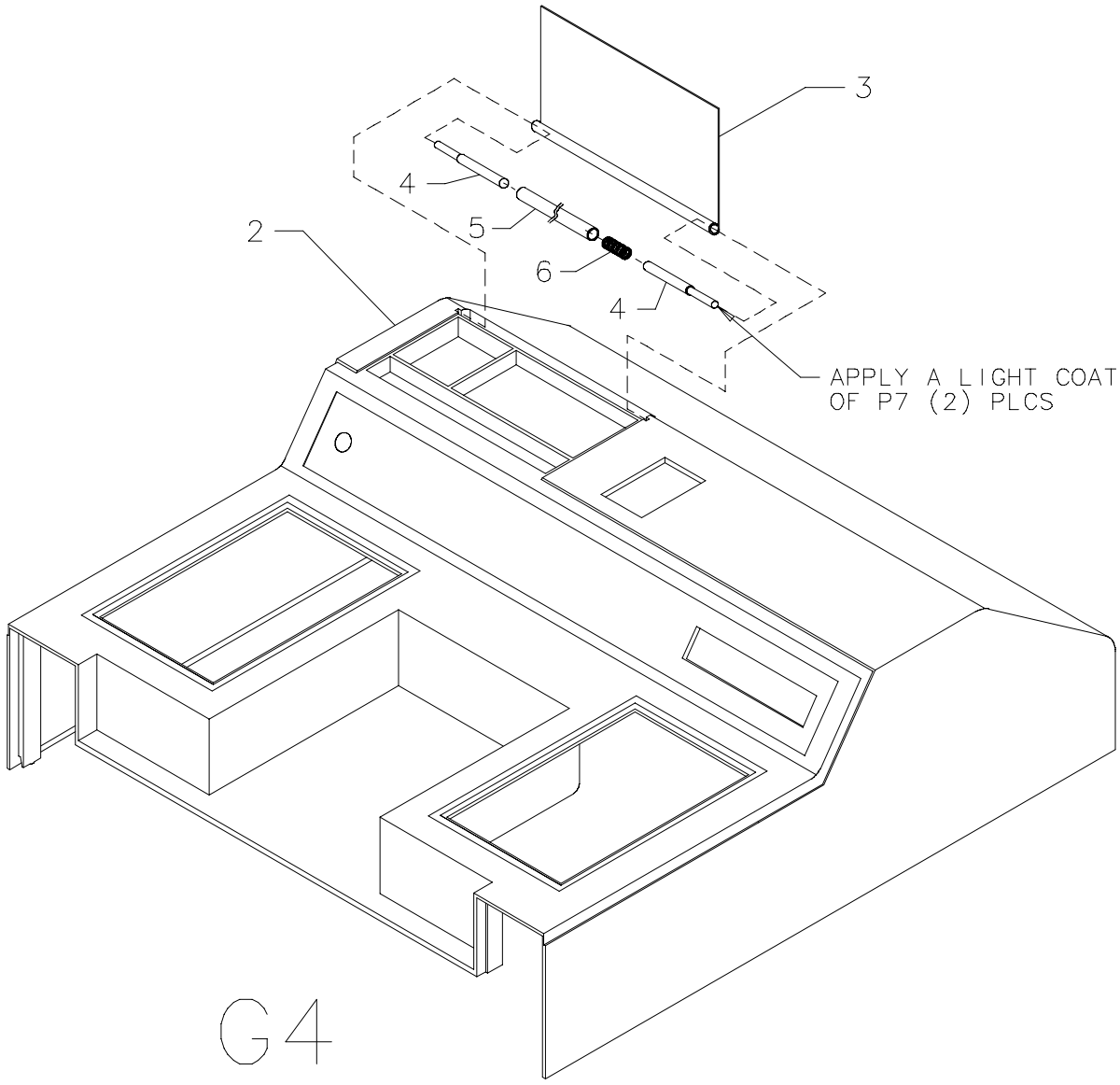
CASSETTE DRAWER ASSEMBLY, 46–270231G2



46–270231BOM2 **REV 3**

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
6	46–270237P2	INSULATION		1	GLOBAL NAME: PART
8	46–270238P1	MAT		1	GLOBAL NAME: PART
10	46–270230G2	TRAY SUB ASM		1	AMX 4 CASSETTE TRAY
11	46–270236P3	INSULATION		1	GLOBAL NAME: PART
12	46–270236P4	INSULATION		1	GLOBAL NAME: PART
13	46–270237P3	INSULATION		1	GLOBAL NAME: PART

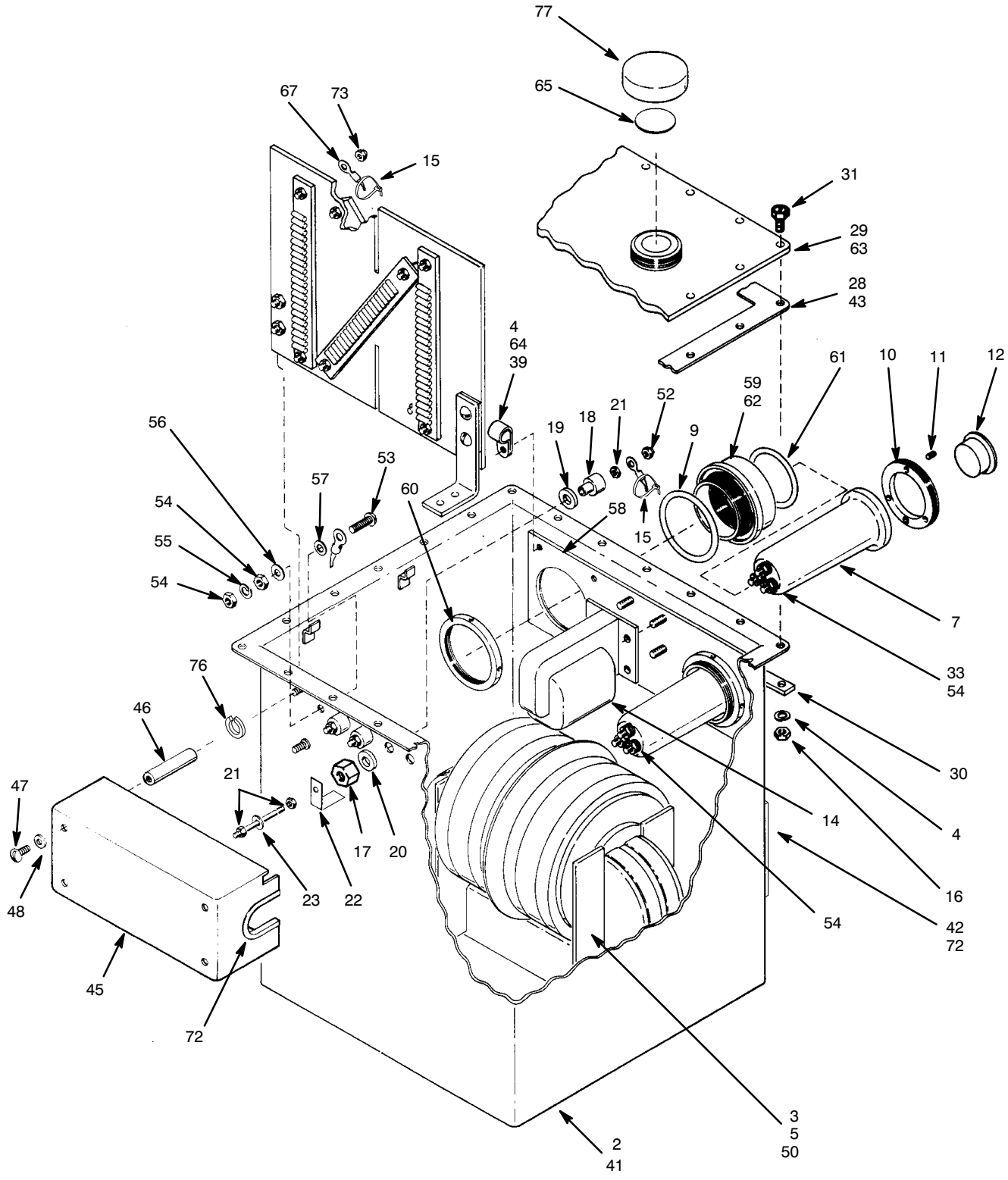
COVER ASSEMBLY (EMC, GRAY #4), 46–303626G4



46–303626BOM4 **REV 0**

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–270541P3	TOP COVER	N	1	AMX4 PLUS TOP COVER
3	46–270934G1	LID	N	1	AMX 4 PENCIL TRAY LID FOR TOP COVER
4	46–279914P1	BAR	2	2	
5	46–279913P1	TUBING OLD	2	1	
6	46–136353P115	SPRING OLD	2	1	C0148–021–100, VENDOR CODE 2,
7	46–170260P1	CHEMICAL OLD	N	AR	LUBRICATING GREASE USED ON BEARINGS.

HV TRANSFORMER ASSEMBLY (46–270954G1), T3432AP AMX1A6

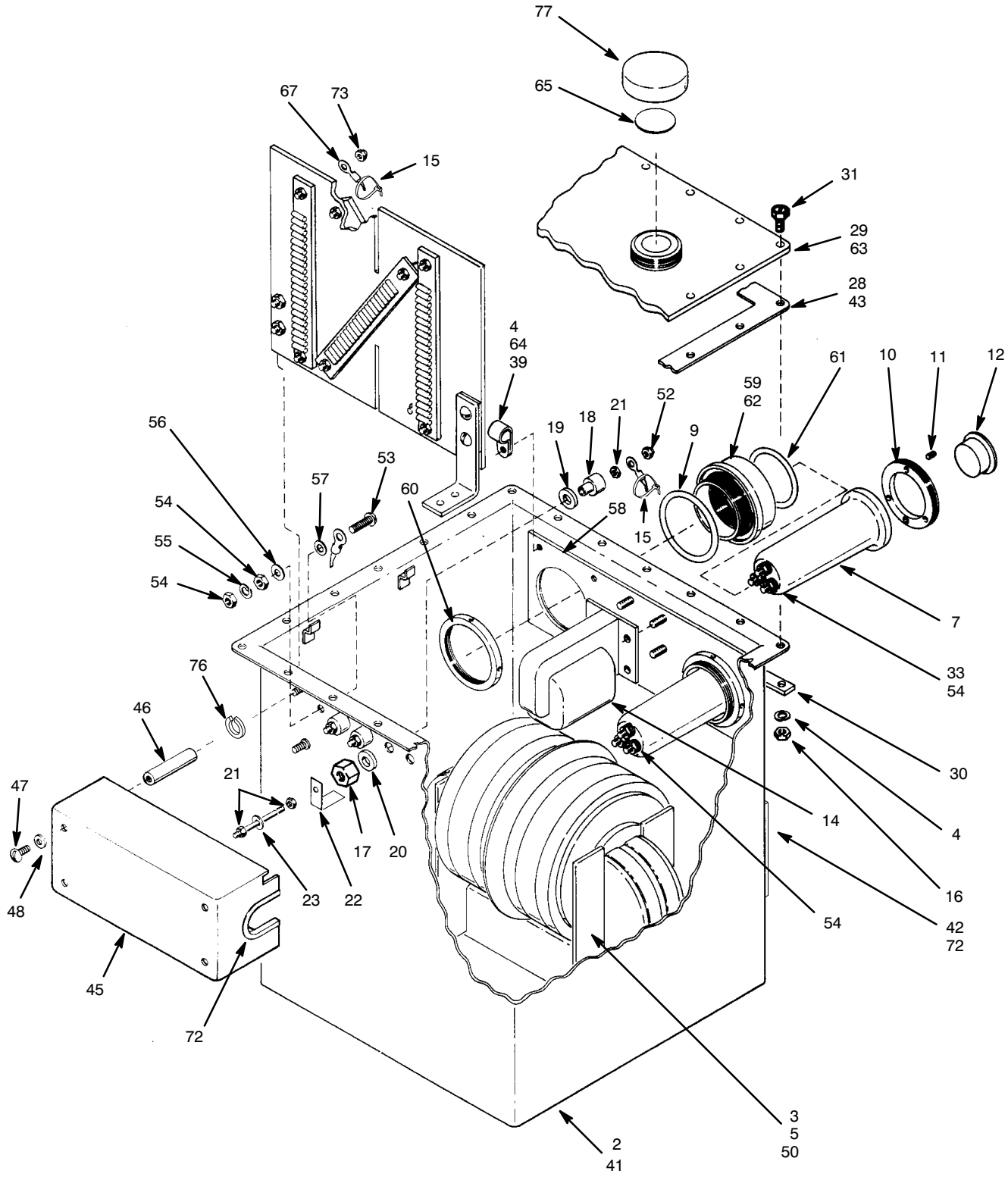


HV TRANSFORMER ASSEMBLY (46–270954G1), T3432AP AMX1A6

46–270954BOM1 REV 9

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
2	46–148260G2	TANK ASM	2	1	AMX 4 HVXFMR
3	46–184859G2	XFMR/RECT AS	N	1	AMX 4 HVXFMR
4	1000904P279	WASHER OLD	2	6	ID 0.1910 OD 0.3125 THK .0359
5	46–170012P64	NUT OLD	2	4	01/4–20 HEX .437 NUT HT .312
7	46–184899G2	RECEPTACLE	2	2	GEN USE
9	46–136374P26	RING OLD	2	2	WIDTH .139 ID 2.484 DUROMETER A 70
10	1001494P1	RETAINING RI	1	2	
11	46–208563P24	SCREW	2	2	1/4–20 X 0.187 LG HEX SOC CUP PT
12	46–230638P1	CAP/PLUG OLD	2	2	PROTECTIVE CLOSURES WW–16
14	46–270955G1	FILAMENT XFM	2	1	AMX 4 XFMR
15	46–208758P3	TY–RAP OLD	2	17	7.31” X .184” SELF–LOCKING CABLE TIE
16	46–208941P8	NUT OLD	2	4	10–32 .375 HEX X .124 THK STL F70B5A
17	46–208947P4	NUT OLD	2	7	001/2–20 .750 HEX X .313 THK
18	46–188054P2	BUSHING OLD	2	7	LV FEEDTHRU 8–32 BRS STUD
19	46–230474P8	WASHER OLD	2	7	PARKER THREDSEAL 7500–1/2
20	46–230179P12	WASHER OLD	2	7	HOLE SIZE 1/2 FREE HT .150/.110
21	46–208935P6	NUT OLD	2	21	00008–32 .344 HEX X .125 THK BR
22	46–188069P2	GND CONT	N	2	MA+/– GAP CONTACT
23	46–136356P3	WASHER OLD	2	7	ID NOM .172 OD NOM .344 MAT THK .026
28	46–148506P1	GASKET OLD	2	1	
29	46–148033G2	COVER ASM	N	1	AMX–3 H.V. XFMR
30	46–148504P1	STRIP	N	4	
31	46–208734P7	SCREW	2	24	10–23 X 0.500 LG HEX WASHER INDENT SLOT
33	506A254P1	RING OLD	1	1	3 PIN HV RECEPTACLE SHUNT
39	46–208713P7	CLAMP OLD	2	2	CABLE OD 0.50”
41	46–136233P4	OIL	2	8	TRANSFORMER OIL N60
43	46–170099P2	ADHESIVE OLD	1	AR	HIGH PERFORMANCE CONTACT CEMENT.
45	46–279019P1	COVER	2	1	AMX 4 H.V. XFMR STUD COVER
46	46–158088P1	SPACER OLD	2	2	
47	46–208560P5	SCREW	2	2	1/4–20 X 0.375 LG BIND HD STL
48	46–151289P1	WASHER OLD	N	2	ID 0.250 OD 0.500 THK .010
50	46–220205P1	WASHER OLD	2	4	ID 0.3125 OD 0.75 THK 0.0625
52	46–208954P3	NUT OLD	2	7	0008–32 .313 HEX X .281 HT UNPLT
53	46–220184P53	SCREW	2	1	1/4–20 X 0.875 LF RD HD SLOT BRASS
54	46–208935P8	NUT OLD	2	8	1/4–20, 7/16” HEX X 3/16 THK, BRASS
55	46–220181P7	WASHER OLD	2	1	SCREW SIZE 1/4 (0.250) STL

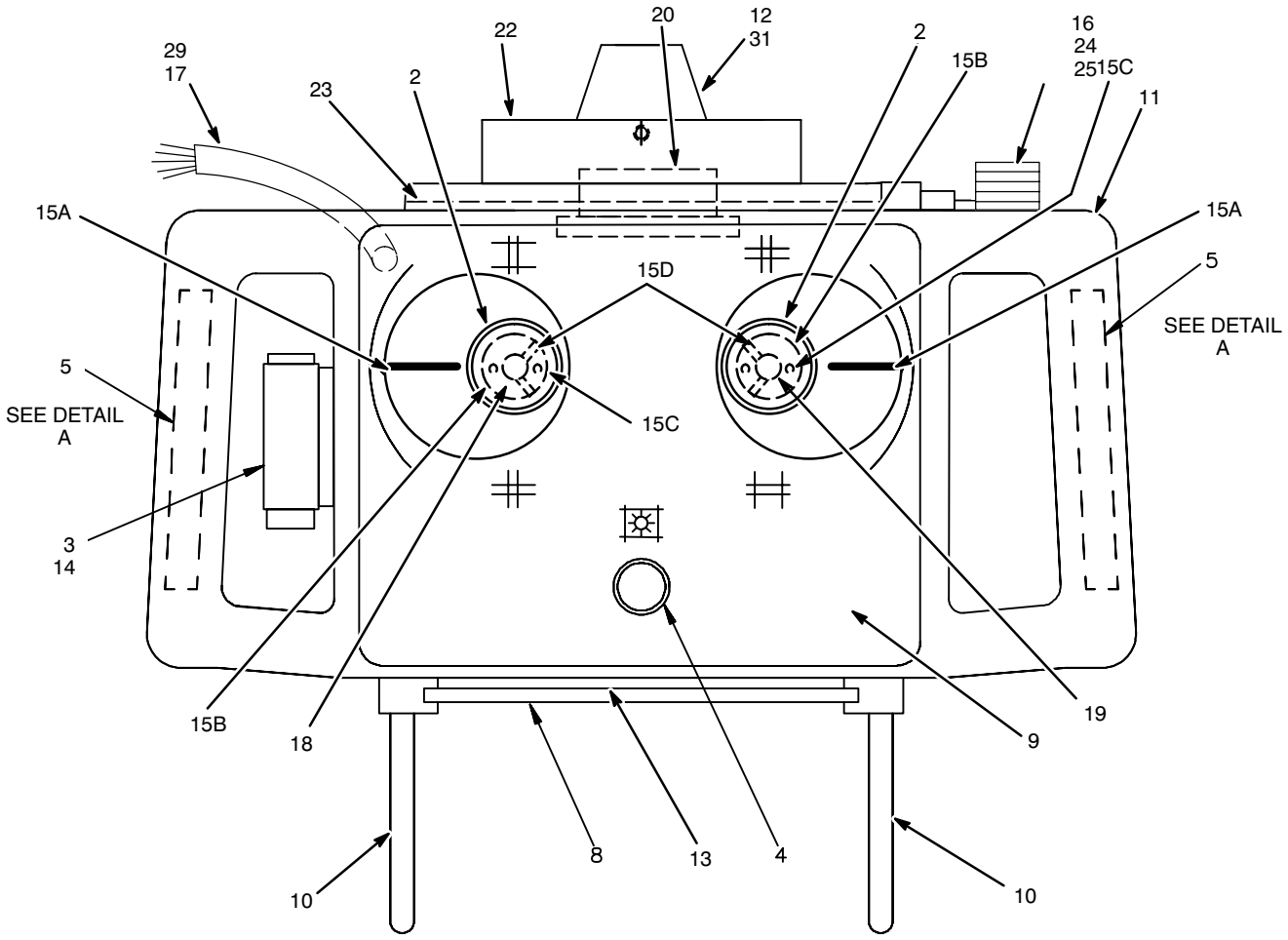
HV TRANSFORMER ASSEMBLY (46–270954G1), T3432AP AMX1A6

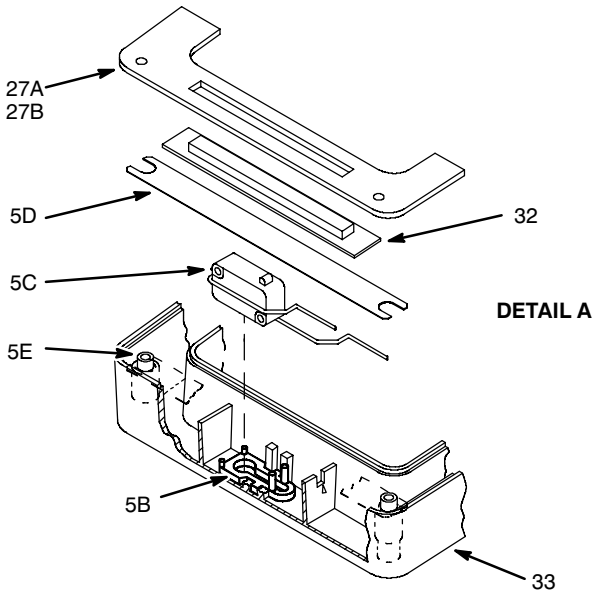


HV TRANSFORMER ASSEMBLY (46–270954G1), T3432AP AMX1A6
46–270954BOM1 REV 9

Item	Part Number	Name	FRU	Quantity	Description (Remarks)
56	12–281	WASHER OLD	2	1	ID 0.2813 OD 0.625 THK .050
57	46–230474P4	WASHER OLD	2	1	PARKER THREDSEAL 7500–1/4
58	46–216195G1	BRACKET	N	1	AMX – 3 H.V. XFMR
59	1001492P1	BUSHING	N	2	
60	1001493P1	RETAINING RI	N	2	
61	46–136374P108	RING OLD	N	2	PARKER NUMBER 5–701
62	46–170137P1	ADHESIVE OLD	2	AR	RTV–162 NON–CORROSIVE ADHESIVE.
63	46–221911P1	CHEMICAL OLD	N	AR	ARCO DOMINION H–2 35 LB PAIL
64	46–170012P63	NUT OLD	2	5	0010–32 HEX .375 NUT HT .239
65	46–177548P1	SPACER OLD	2	1	
67	46–233788G1	LEAD ASM	N	2	AMX 3 XFMR
70	46–184691P710	PLATE	N	1	
71	508A865P3	MECHANICAL/M	2	1	WIDTH 04.0” LGTH 08.0” THK .004”
72	46–220178P6	MECHANICAL/M	2	0.500	PLASTIGLIDE 122–NN–1500
73	46–208954P3	NUT OLD	2	2	0008–32 .313 HEX X .281 HT UNPLT
76	46–208599P19	WASHER OLD	2	2	1/4 EXTERNAL TOOTH PHOS, BRONZE
77	515A132P1	CAP/PLUG OLD	2	1	

COLLIMATOR ASSEMBLY (46–270615P2), (2141235), T3497T





COLLIMATOR ASSEMBLY (46–270615P2), (2141235), T3497T

Item	Part Number	Name	FRU	Description (Remarks)
2	46–250207P37	ADJUST KNOB	2	
3	46–250131P2	TAPE SCALE	2	HI–CONVE,MICRO MED#63102 (46–250207P20)
4	46–270799P1	SWITCH	1	
5 (2)	46–303376G1	SWITCH KIT	1	INCLUDES ITEMS 5B THRU 5E
6A (1)	46–194361P1	LAMP	1	FIELD LIGHT, 24V, 150W, GE FCS
6B (1)	46–250207P6	LAMP MASK	1	
6C (1)	46–250207P2	LAMP SOCKET	14	
6D (1)	46–250207P26	PLATE	2	FOR LAMP SOCKET
7 (1)	69199	WRENCH (TOOL)	2	ALLEN 9″ SHANK 5/32″ (.156) HEX
8A	46–173632G2	FILTER	1	HALF VALUE (INCLUDES ITEM 8B, 8C)
8B	46–173629P2	LABEL		ATTACHED TO ITEM 8C
8C	46–173631P5	PLATE		5 X 5.70 X .10 THK ALUM
9	46–250207P8	DECAL	2	
10	46–250207P51	GUARD ARMS	2	
11	46–250207P49	FRONT PANEL KIT	2	INCLUDES HANDLE (ITEM 33)
13A	46–250207P11	CROSS PLATE	2	
13B	46–250207P25	FRAME	2	FOR CROSS PLATE
14	46–250207P13	COVER	2	TAPE SCALE
15A	46–268418P1	POINTER	1	
15B	46–250207P38	HOLDER	1	
15C	46–250207P40	SCREW		M2.2 X .45 X 4.0MM FLAT HD
15D	46–214913P10	SET SCREW		M3 X 6MM CUP POINT
16	46–250207P21	STOPPER KNOB	1	
17	46–250207P22	CABLE	1	8 LEADS
18	46–250207P28	SHAFT & PLATE	1	
24	46–250207P16	SPRING	2	STOPPER
26 (1)	46–250207P18	LABEL	2	DRH
27A	46–279049P1	LT HANDLE COV	2	
27B	46–279049P2	RT HANDLE COV	2	
29	46–250207P27	CLAMP	2	(46–220360P5)

(1) NOT IDENTIFIED IN VIEW

(2) REPLACEMENT FOR 46–270906P1 OR 46–270907P1

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